Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development of the South and Southwest as the Nation's Greatest Material Asset

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The Economic Folly of "Cheapness."

MANY years ago Edward Atkinson, then one of the foremost statisticians and publicists of New England, in frequent letters sought to impress on the people of the South that cheap labor is in the end high cost labor. He was far in advance of Henry Ford in taking the ground that well paid labor in the end is the most profitable to the employer and to the country.

About the same time, possibly a little earlier, D. A. Tompkins of Charlotte, N. C., the president at that time of several cotton mills, also emphasized his view that well-paid labor was in the end the most profitable to the country as well as to the employer. Long before Mr. Ford had ever been heard of Mr. Tompkins held that if there was a minimum wage of $5 a day for the laborers of this country there would be abounding prosperity for everybody.

Gradually the people of the country are coming fully to realize these truths. It is now almost an axiom that underpaid labor or an unprofitable industry is a liability and not an asset to any community.

Out of the profits of business come religious and educational advancement. If there are no profits there is no money with which to sustain these institutions. President Harrison in advocating a protective tariff said that "a cheap coat makes a cheap man." Through the whole range of human activities that sentence stands true. The man who cannot make money enough to enable him to wear fairly good clothes, suitable to his station in life, is cheapened in his own estimation and cannot assert his own dignity or measure up to his own abilities.

Looking out from the individual to the broad industries of the country, it may be said that every line of business that fails to yield a fairly good profit to the investors, enabling them to lay aside a surplus for rainy days, or for plant expansion, or to meet changes in methods, is an unprofitable industry. Sooner or later its doom will be sealed, for methods change so rapidly, new types of equipment and new patents appear on the market so often that that which seems suitable today has to go to the scrapheap tomorrow. It is an old story, often told, that when Carnegie returned after a long visit abroad, Schwab pointed to a new million dollar mill that had just been finished and said that though all ready to start, it was practically out of date by reason of more modern methods. "Then scrap it," said Carnegie. It is a story that points a moral for buyers and sellers alike.

The buyer who tries to beat down the price to a figure which does not represent a fair profit on the cost of production is really injuring himself by injuring the producer and the country. The seller who, by fear of competition or by financial needs, forces his product on the market at a price which does not show a fair margin of profit is doing himself and the whole industry great damage.

In some way the idea of "cheapness" must be banished from the minds of the American people. They must be made to realize that a profitable wage for the working man and a profitable price for the product, whether of agriculture or of manufactures, is essential to the permanent advancement of the country.

In a personal letter to the editor of the MANUFACTURERS RECORD on this question of cheapness, a well informed publicist, who is also a business man of much experience, writes:

"I have a letter which says: 'Other countries have had money inflation, and we in its place have had wage inflation and are fools enough not to see it.' In my opinion, the ones who are very foolish are those who do not see the wage situation in this country as the promise and hope of all humanity. A very remarkable report was made at the last meeting of the American Association of Mechanical Engineers. Taking money value of the output per thousand man-hour in American industry it was shown that this production was far and away greater in those industries which paid high wages than in any other. In some industries the worth of the product was almost $10,000 and in others it was only $500. Now, the higher wage just for the sake of a higher wage may be demoralizing. But where the higher wage is given because there is greater efficiency, and where this higher wage has improved morale, then it is a blessing indeed. Unskilled workmen are of little economic advantage. I think they may be a positive economic liability. I am sure there are thousands of negroes, in the southern counties where the negro population is heavy, who have never added a single dollar to the economic wealth of the community, but have actually consumed more than they have produced.

"It is very difficult to get the idea over or to explain it, but in my opinion, the great fact that America is demonstrating to the world today is that the old assumption that only a few people were worthwhile and that the other great masses should be kept ignorant on low wages is a fallacy. Instead of regarding 'the other 90 per cent' as potentially dangerous and worthless, I think that this other 90 per cent is the richest body of ore in existence. Moreover, you have only to look over our leaders today to understand it. Some of the very greatest inventions, the benefits of which we now enjoy, came from men who, but for America, would be plowing with antiquated instruments, in ignorance and squalor. From Adam down the whole world has been organized on this belief that about 10 per cent of the people were worthwhile and the rest were simply to be used. We are spreading education among that 90 per cent, we are taking burdens off their shoulders by the use of machinery, and we are capitalizing that vast intellectual power that actually does reside in that 90 per cent, as events have shown. There is no hope for the future, in this country or in any other, unless we are able to see the principle involved in this cycle of high wages, and adhere to it in spite of all temptations to go the other way. I never see a man digging a ditch but I think of the economic and spiritual waste he represents; for I care not how humble he may be he could have been taught some skilled employ-

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ment. And I think it is a crime when any piece of honest labor is performed by a sweating human being when it could be performed by a machine. True, the new method introduces some grave problems of adjustment, but that has always been the way with progress.

"I have to laugh when people talk about a wage inflation. The British have been saying that for years and giving it as a reason why they could not compete in Chinese trade with Japan, in textiles. But a really honest report recently made shows that the actual cost of production in Japan, even with the low wage, was greater than that in England, where wages are not high enough to brag about. So long as we can make our cost of production per unit low we certainly in common decency ought to pay the labor a wage commensurate with that efficient production.

"I state it as a fact, and I do not think it can be successfully controverted, that every country now in existence, or that ever has existed, which has tried to build prosperity on paying the masses wages simply sufficient to keep them alive, is or has been an unsuccessful country.

"There is a peculiar psychology, existing over the centuries, which apparently believes that people can be prosperous and happy only if some other people are unprosperous and unhappy. I personally know dozens of people who have an idea that the only way they can make a profit is for the other man in the trade to be done out of something. It seems to be beyond their comprehension that both parties to a trade can profit therefrom.

"Well, I never intended to write any such tirade as this, but if there is anything I am touchy on it is this wage problem and division of profits. I am so sure that the theory we have been working out is utterly vital to human progress that I take any discussion of it very seriously."

THE TARIFF SITUATION AS AFFECTED BY CONGRESSIONAL HEARINGS.

WITH the vegetable and fruit growers of the South clamoring for a protective tariff on their products against cheaply raised products of competing countries; with cement manufacturers of all sections that are now without any tariff protection and with other business interests of many kinds, realizing that a higher protective tariff is needed to safeguard them against competition of the cheap labor of other countries, those Congressmen who undertake to oppose an upward revision of the tariff will find themselves in the discard in the not distant future. They will be sent to the political scrapheap.

The South is becoming as strongly protective in its tariff views as New England. Many years ago a farsighted Baltimore representative of New England hardware houses said to the MANUFACTURERS RECORD that the time was coming when the South would be more strongly protective than New England, and that the latter would rather have competition with the ouside world than competition with an awakened and developed South. Whether his view as to New England was entirely sound or not, certainly the awakened and rapidly developing South is creating an industrial development that amazes the whole country. And every development in industry and in agriculture enlarges the demand for a protective tariff. At the Congressional hearings, the country should hear in thunder tones a nation-wide demand for an upward revision of the tariff.

An extremely interesting discussion of the tariff situation, with particular reference to sugar, was presented recently by President B. G. Dahlberg of the Celotex Company of Chicago and of the Southern Sugar Company, which is developing great sugar operations in Florida, to be followed by the building of celotex plants in that state. In an address before the Traffic Club of New Orleans Mr. Dahlberg stated that there is no better way to provide adequate farm relief in this country than "by providing through proper protection a means for the United States to produce enough sugar to supply the national demand. Seven million tons of sugar are consumed in the United States and its possessions annually, but only two and a half million tons are produced in this country. Four and one-half million tons of foreign produced sugar must be annually imported at a cost of $300,000,000 a year."

"The United States," said Mr. Dahlberg, "has provided adequate immigration laws whereby cheap foreign labor is restricted from overrunning our country, but there is no law restricting the admission into the United States of the product of such cheap labor. In other sugar raising countries labor is cheap, as many of the laboring class are willing to live like so many cattle. But American laborers demand a sufficient wage to maintain a comfortable existence. Such a problem now confronts sugar planters, and the legislative bodies of the United States today, and remedial legislation along these lines will undoubtedly be brought before Congress."

Mr. Dahlberg stated that adequate tariff protection would result in the development of 1,000,000 tons of sugar in Louisiana annually, which would bring approximately $100,000,000 a year into that state, resulting in enormous development of that section. "New Orleans and Louisiana," he said, "through its sugar industry and the many relative industries would become one of the largest manufacturing centers in the nation. The old idea that the North and East are the only centers where manufacturing is advisable has long ago been disproved. Climatic conditions alone in the South are a sufficient reason why manufacturing can be and is a success."

Discussing the development of the Celotex Company from its earliest struggles Mr. Dahlberg said he once got the advice from James J. Hill, an old friend of his: "Don't you know that when things begin to get difficult they begin to become interesting?" That philosophy of Hill's, said Mr. Dahlberg, "I have used in my entire business life, especially in my struggle to develop the manufacture of Celotex." After many hard struggles to build up the business, the production of Celotex today he says is 1,250,000 feet per day in contrast to 30,000 feet per day six years ago. And only recently, since Mr. Dahlberg's address was delivered, it has been announced that the addition of another unit to the New Orleans plant will increase the output to 1,500,000 square feet daily.

Mr. Dahlberg and his associates are heavily interested in the sugar business in Louisiana, but realizing the unusual opportunities for sugar development in Florida, and of carrying out as recently described in this paper a vast sugar-making industry there, which is to be followed by one or more Celotex plants, the entire program it is estimated before completion will represent an investment of $30,000,000.

Every argument made by Mr. Dahlberg as to the value of a protective tariff for the sugar interests of Louisiana applies with equal force to the sugar interests of Florida. A sound point was made when he referred to our restrictive immigration laws which lessened the number of immigrants into this country, while we have failed as yet to adequately protect our own laborers and our business interests from the products of the cheap labor of other countries, except to a limited extent.

There is great opportunity for Congress by a combination of Republican tariff men and many Democrats who have seen the light and are now in favor of a protective tariff, to provide real protection which would be of enormous value to the industrial and agricultural interests of the country.

FACTS, ABOVE ALL.

WARREN M. COX, Mobile, Ala., in a letter to this paper writes: "To enclose check for a year's subscription to your magazine gives me unusual pleasure indeed, for I feel that in a small way I am endorsing a periodical which stands for the South, for clean politics, and for facts—kind facts when possible, but above all facts. May your tribe increase."

Meeting of the National Foreign Trade Council and Its Significance to the South.

IT is pre-eminently appropriate that the annual meeting of the National Foreign Trade Council, which is to be held April 17-19 in Baltimore, should this year attract unusual attention from the business men of the entire country. President-Elect Hoover's visit to South America has opened up new avenues of trade, as there certainly will be an increased development of friendship and of trade through that visit.

Mr. Hoover is a tremendous factor in the upbuilding of foreign trade. He demonstrated that during all his career as a mining engineer, putting American machinery in many parts of the world where it had not been before. He also demonstrated it in the management of the Department of Commerce, which under his administration wrought what might almost be called marvels or miracles in interesting the entire world in the possibility of doing business with this country. Also, James A. Farrell, chairman of the Council and president of the United States Steel Corporation, is among the foremost promoters of American international commerce.

The manufacturers of America now understand the handling of foreign trade to a much greater extent than in former years. Their experience and their increasing capital puts them in position to do a much larger business than formerly. Moreover, the material development under way in all Latin-American countries, as well as in the Orient, will open up a larger demand for the products of American factories.

The National Foreign Trade Council is one of the outstanding organizations of this country. It has been a potent influence in arousing a deeper interest on the part of American exporters in the possibilities of doing business in other lands. Every meeting held has been of importance and largely attended by leading manufacturers and shipping men from all parts of this country and from the whole world at large. The meeting in Baltimore will, therefore, be doubly important in that it will crystalize public attention on the possibilities of foreign trade.

We are now doing an import and export business of about $9,219,000,000 a year. Some of these imports could be wisely curtailed, and some could be lessened by a higher tariff. But there is room for indefinite expansion of our export business. We are making things that other nations need, and the Foreign Trade Council at its April meeting will point out many ways in which this trade can be advanced.

It has been a long time since Baltimore entertained a more representative, substantial and influential body of business men than that which is to assemble in the city. These men will come from the Lake region, the Pacific Coast, the nearby and the far South, and from many foreign lands. Baltimore has an opportunity to do itself and the country a great service by the adequate handling of this convention. The city is pre-eminently a shipping center; it has been so for a hundred years. More and more attention is being given to foreign trade; many steamship lines established during the last few years offer a larger opportunity for export business to almost every region of the earth.

The South should be represented at this convention by many of its foremost shipping and export interests. It ought to go to Baltimore with men of ability, who can show the advantages of this section for foreign trade. A heavy business is already being done in the exportation of Southern and Southwestern products through Southern ports. This business can be made to increase very rapidly, and every railroad in the South, every company running ships from Southern ports, and the leaders in mercantile and industrial interests should be on hand at the convention, prepared to set forth the South's advantages and to learn how a larger trade can be done through Southern ports, by coming in direct contact with shippers from all parts of the country.

Here is a great opportunity for the South to render itself a service of inestimable value, while at the same time serving the whole country, in giving larger transportation facilities through Southern ports; for New York already is badly congested and its port facilities often are heavily overcrowded. It will be a great thing for the entire country when much of the foreign trade so largely centered in New York is shifted to other ports. This will bring about a wider diversity of shipping interests, better facilities for handling exports, and inure to the increasing prosperity and the building up of many cities, instead of the intense concentration at New York to the disadvantage of the country as a whole.

The Federal Trade Council's April meeting is a great opportunity, which should be availed of to the largest extent possible by Southern transportation interests and Southern business men who at that time will come in contact with the foremost exporters of every line of manufactured goods, and with shipping interests representing the entire country.

THE FEDERAL GOVERNMENT SHOULD CONTROL THE FLOOD WATERS OF LAKE OKEECHOBEE IN FLORIDA.

THE appeal being made by Florida representatives in Congress for Federal co-operation in the handling of the Lake Okeechobee flood control work and the rivers connected therewith, is entirely proper and should receive the full approval of Congress.

Lake Okeechobee is a vast body of navigable water, as are some of the rivers tributary to it. All navigable streams or lakes belong not to the individual state, but to the Federal Government. Florida has no power to drain Lake Okeechobee except to the extent that the Federal Government might permit. It is a vast lake, and at times a very stormy one. It is, therefore, appropriate that the Federal Government should take charge of this whole situation and solve a great problem which Florida has for many years faced without an adequate solution. As the Government has now taken over the safeguarding of the Mississippi Valley from the floods which have devastated that section in times past, so it should take over the handling of the Okeechobee district and safeguard a great area incalculably rich in soil fertility, and thus protect that entire region from the effect of destructive floods caused by the overflow of the lake in times of heavy rains or storms.

A PROTECTIVE TARIFF NEEDED ON CEMENT.

B. R. GEBHART, manager of the General Educational Bureau of the Portland Cement Association, Chicago, writing in regard to letters recently published from Congressmen in regard to the tariff situation, says:

"I want to express appreciation of the manner in which this survey was conducted and the very enlightening results. Your activities in connection with the tariff undoubtedly are greatly assisting the cause of manufacturers who at present are in greatest need of protection. This fight continued must eventually result in revisions which we are convinced are drastically needed."

WHY THE NEW YORK LIFE INSURANCE COMPANY DOES NOT OPERATE IN TEXAS.

PRESIDENT DARWIN P. KINGSLEY of the New York Life Insurance Company, in an address at the dedication of the company's new building erected in New York, stated that the company was operating in every state of the Union except Texas. As President Kingsley's address was heard over the radio throughout the country, and heard with the utmost distinctness in the Daytona Beach, Fla., residence of the editor of this paper, the statement that his company was not operating in Texas immediately attracted wide attention. Mr. Kingsley was asked by letter to explain why his company was not operating in the great and wonderfully growing state of Texas. His reply follows.

New York Life Insurance Company.
New York, N. Y., December 18, 1928.

My dear Mr. Edmonds:

I greatly appreciate your note written on the 13th, following my address over the radio on the evening of the 12th.

One of the earliest surprises that came to me after that dinner was the fact that I was heard so distinctly almost down to the tip of Florida, when I had no station south of Baltimore—the fact was I could not get one.

As to Texas, we were driven out of that state some 20 years ago by bad legislation. The statute is popularly known amongst life insurance men as the Robertson Law. As originally drafted and passed it not only contained a compulsory investment clause, but a clause requiring that Texas securities so bought should be deposited in Travis County. We immediately left the state and have been out ever since. They have since modified the clause directing that the securities bought must be deposited, but they still retain the compulsory investment provision.

They claim in addition that taxes have been running against us all these years, and under that ruling I presume they amount to seven or eight hundred thousand dollars, more or less. Of course, we have had no franchise and the tax is supposed to be a franchise tax. Needless to say we shall not pay it.

Of course, it has been a source of great regret to me that all this has happened. Texas is a marvellous country. I at one time prepared to go back into the state merely to get at their investments, but counsel advised me that that would put us within the jurisdiction of the state, and we would have to fight out the question of back taxes. I was not looking for lawsuits and so I did nothing about it.

Good lawyers believe that the attempt to collect these back taxes is unconstitutional, and we have been urged to test the matter, but I prefer not to, because even if we won, we are still faced with the compulsory investment clause.

You may treat this letter as addressed to you personally or publish it in the MANUFACTURERS RECORD if you see fit.

Very truly yours,
D. P. KINGSLEY, President.

In reply to a letter of inquiry to some other leading insurance companies as to whether they were doing business in Texas, we have the following from Edward D. Duffield, president of the Prudential Insurance Company of America, Newark, N. J.:

"The Prudential discontinued the writing of business in Texas at the time of the passage by that State of the so-called Robertson Law requiring a compulsory investment of a certain portion of its reserve in so-called Texas securities.

"While we recognized the right of the State of Texas to pass any legislation it might deem proper in order to afford protection to its citizens who might invest in life insurance, we, nevertheless, felt that as trustees we must reserve to ourselves the right to invest the assets of the Prudential in such a way as to best provide for the interest of its policyholders. In our opinion such right would be invaded if we were required by the legislature of a state to invest in any definite class of securities. In other words, we would be substituting for the discretion of our own board of directors the discretion of a legislative body.

"Since that time we have ceased writing a general insurance business in Texas, although we have been admitted to do business in that State in order to facilitate our group coverages."

Much legislation passed by Texas many years ago, by Mississippi and by other states, in the effort to completely dominate the operations of financial and business concerns, was unwise to the extreme, though passed by legislators who thought they were doing their states a service. The foregoing letters throw some interesting light on why these great insurance companies are not operating in Texas.

As Thousands of Men Hold Varying Views on Great Questions, We Cannot Always Please Everyone—We Thank Mr. Ellsworth for His Commendation.

Hibernia Bank & Trust Company.
New Orleans, La., December 27.

Editor Manufacturers Record:

I want to express my personal appreciation of Mr. Shorey's interesting and inspiring story, "The South Progresses at Touch of the Electric Wand," and also Mr. Dabney's colorful picture of the tremendous industrial development that New Orleans is experiencing. And I should like to take this opportunity to tell you again that the MANUFACTURERS RECORD, in spite of the fact that it sometimes advances honest opinions on public questions with which all of its readers cannot agree, is an invaluable "Exponent of America," of which the South may well be proud.

FRED ELLSWORTH, Vice-President.

Business Conditions Encouraging.

"The business situation as a whole, in our territory, has an encouraging outlook," reports I. B. Tigrett, president of the Gulf, Mobile and Northern Railroad Company. "While the older, long-established industries, such as lumbering and agriculture, will remain basically the same, the introduction of new industries will be reflected in increased activity generally." Further, Mr. Tigrett says:

"One hesitates to make any prediction about cotton, but at this time there is no reason to believe the market next fall will not be favorable, due to a short crop this year. Agricultural conditions on the whole should be much more satisfactory this year as a result of the trend toward diversification. More than 100 carloads of tomatoes were shipped from a 50-mile branch of our road in Tennessee in 1928. Cabbage, strawberries, beans, and other truck crops were produced in quantity and augmented the farmer's income.

"The most significant form of diversification lies in the growth of dairying. During the past two years it has become firmly established as an industry, and the creameries, condensaries, and cheese factories are providing a regular payroll. The industry gives excellent prospects for a continued development in 1929.

"General manufacturing has been augmented by a number of new factories engaged in various lines, made possible by power development; it is assumed that other lines of manufacturing will follow in 1929. Ceramic manufacturing represents one of these possibilities.

"The lumber industry has resorted to new methods to offset an inactive market and a disappearing supply of raw products. Several furniture factories are operating and the Masonite plant, manufacturing a by-product of insulating and wallboard, has been enlarged to provide for increased demand. Veneer mills and hardwood-working plants are also expanding."

Industrial Growth of St. Louis.

During 1927 there were 2714 manufacturing establishments in St. Louis with 110,085 wage earners, according to statistics compiled by the Industrial Bureau of the Industrial Club of St. Louis and the United States Census Bureau. Wages, during 1927, amounted to $136,276,675, the cost of materials $546,775,553 and the value of products $942,041,821. Since 1925 the number of establishments increased 14.65 per cent, wage earners 4.82 per cent, wages 4.14 per cent, cost of materials 6.49 per cent, and value of products 7.71 per cent.

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All Former Records Eclipsed at 1929 Road Show and Convention.

OUTSTANDING SCIENTIFIC AND EDUCATIONAL DISPLAY OF HIGHWAY EQUIPMENT AND SUPPLIES, WITH 400 CONCERNS PARTICIPATING.

By Carroll E. Williams.

[In the past 25 years highway building has marvelously influenced American life, and the growing interest in road building activity is clearly evidenced by an increase of 15 per cent in the number of exhibts at the recent annual show of the American Road Builders' Association at Cleveland over the previous high figure. Comparison of ideas and expert study of the newest methods of highway building, maintenance and finance must necessarily be highly useful to those interests whose common aim is the betterment and extension of motor transportation here and abroad. Among the most useful contributors to the advance of civilization and prosperity are the men who plan and build roads, and it is particularly desirable that they annually gather and exchange ideas, view the improvements in road-building machinery and take up the new problems that develop along with the growth of motor transportation.

Already a highway through the two Americas is under way. Road building activity is being vigorously stimulated throughout the world. Highway building enthusiasm in this country continues.—Editor Manufacturers Record.]

Cleveland, Ohio, January 19.

More than 30,000 delegates from every state in the Union and from more than 30 foreign countries attended the twenty-sixth annual convention and road show of the American Road Builders' Association at Cleveland this week. The exhibits offered a graphic display by some 400 manufacturers of road-building machinery and materials, covered a combined area of eight acres, filling to capacity the basement and main arena floor, as well as the principal hallways of the city's huge municipal auditorium, overflowed into the Central Armory across the street and took advantage of all available space in the covered esplanade leading from the auditorium to a large annex erected on the grounds, which also was entirely filled. What is more, scores of other manufacturers made use of vacant lots nearby to exhibit their products in the open, despite near zero weather.

Show Eclipses All Former Records.

The exhibits at the 1928 show, also held in this city, represented the products of 342 concerns, while the 1927 show held in Chicago comprised 293 exhibitors, clearly revealing the rapid growth of this great annual undertaking, which constitutes the most outstanding scientific and educational display of its kind in the world. Each year it is growing, not only in volume, but in the attention it receives from road contractors, highway and paving engineers, traffic experts, machinery and material manufacturers, users of the highways, state, county, district and city officials and allied groups interested in one or another way in the building, financing, maintaining, control or use of highway facilities. How much further this show will continue to expand not even the most optimistic will venture a prediction, but to judge from the great amount of enthusiasm displayed by exhibitors and their prompt requests before the show had closed for space next year it would appear that the peak of expansion has not been reached. In fact, there are definite signs of development of new and allied lines of activities which will make necessary additional floor space next year to adequately house displays.

It is estimated that the total valuation of machines, equipment and materials assembled at this show was in excess of $5,000,000. Over 500 freight cars were required to bring the equipment to Cleveland. Because of the big size of many of the machines and the fact that much of it was shipped knock-down and had to be carefully assembled by high-priced mechanics—many of whom worked day and night for a week before the show opened—one gets an idea of the big sum of money involved in assembling such a variety of modern road-building tools. One group of manufacturers alone is said to have expended $250,000 for freight, assembling, etc. Charles M. Upham and his assistant, Miss Louise Wynne, were on hand to direct operations—for every exhibit had to be set up according to a carefully prepared schedule in order to facilitate movement of other displays. Tractors, cranes, loading and unloading devices of all kinds, motor trucks, trailers, and almost every known material handling device were employed to speed up the work.

When the show actually got under way the exhibits appeared a co-ordinated whole resembling some giant manufacturing plant, each part properly functioning with precision and working without the slightest evidence of confusion, and withal not suggesting the almost titanic efforts that had been put forth in the preceding days to make such operation possible. The exhibits included every known road-building and allied device produced from small enameled warning and guide signs to the heaviest type of power shovel made.

Trends in Design of Road Building Machinery.

A survey of machines exhibited clearly indicates the trend toward mobility and traction of construction equipment. Motor trucks in wide variety were shown—light and heavy duty types; trucks with crawlers for rear traction; heavy duty trailers to transport power shovels, rollers, and similar equipment long distances at relatively high speeds; cranes, excavators, shovels, draglines on trucks, etc. Dump bodies with hoists of many types were shown. Concrete mixing units on truck chassis attracted much attention. There were many displays of new and improved equipment for trucks, including special springs, dual tires, new and improved transmissions, etc.

The expansion of the automotive industry has tremendously influenced the building of road-building machinery. Many of the machines exhibited were powered by gasoline or Diesel engines and electric motors, whereas only a few years ago steam engine units predominated. Saw rigs, hoists, cranes, shovels, excavators, trenchers, graders, finishing machines, loaders, operated by multiple-cylinder gasoline engines were exhibited in great numbers. Portable air compressors, pumps, and other units with gas engine power were shown.

Moreover, there is a noteworthy trend toward refinement. Better materials are being used. Self-starters are being installed on many machines, along with roller and ball bearings, pressure lubricating systems, etc. The motor truck and tractor are tremendously speeding up construction work and the internal combustion engine in a wide variety of uses is making possible the expansion of our road building acfivities

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on a scale commensurate with the growth of highway transportation.

Competition is keen among manufacturers of road-building equipment as a result of the rapid expansion of the industry since the war. This competition has been largely responsible for the revolutionary changes that have come so frequently in designs of these devices in recent years. Speed, reliability and economy of operation are demanded by the contractor and the manufacturers generally are going forward with research in engineering and design to meet this need.

Great Changes in Design Foreseen.

Indications are that even greater changes in the design of road-building machinery will come within the next few years. With the big demand for machines necessary for the building of highways competition will become even more keen between contractors and equipment firms. The utmost will be demanded in the way of efficiency and speed. There has been a tendency recently towards merging competing and noncompeting firms, and it is possible that some large successful manufacturing concerns will result—facilitating operations on a mass-production basis. More skilled operators are being employed.

Several score of papers presented at the various sessions of the convention considered finance, administration, legislation, construction and maintenance—covering in quite a complete and comprehensive manner the varied activities of engineers, contractors, city, county, state and district officials. The sessions were well attended in the main, and many papers submitted by the various committees that have been vigorously at work since the 1928 show comprise the most exhaustive surveys of the respective fields yet made, and clearly demonstrate that concerted efforts to solve the countless problems that confront road builders are under way in an endeavor to insure the maximum returns from money invested in roads and streets.

Problems of Financing Highway Improvements Command Attention.

It is significant that the question of finance was given primary consideration. As pointed out in the Annual Highway Review Number of the MANUFACTURERS RECORD there is a growing tendency to divert motor vehicle fees and gasoline tax revenue from the building of highways and particularly from state route construction to other sources such as county work, school purposes, airports, etc. The consensus of opinion expressed at the convention would indicate that road builders—just waked up to the diversion effort—will resist with all possible vigor such dissipation of funds because it is now quite apparent that the demands of the immediate future will tax every known method of highway finance to the limit if road building is to keep pace with the growth of motor transportation.

Advantages of Bond Plan of Financing Paving Work Stressed.

Some rather startling figures were presented by the Committee on Highway Finance, Charles M. Upham, chairman, in setting forth the advantages of the bond method of financing highway construction. A comparison of states having highway bond issues with those which have used other methods of financing indicates a marked advantage in automobile registration for the bonded states in 1927. The total increase in registration in 1927 over the preceding year amounts to 1,131,848. In 25 states having voted bond issues a total increase of 716,931 vehicles or 6.5 per cent is reported, while unbonded states show an increase of 414,918 vehicles or 4.3 per cent. North Carolina, which offers an outstanding example of highway financing by the bond method, led the country with an increase of 11.8 per cent. This state has expended since 1921 over $150,000,000 for road construction, and figures compiled from traffic surveys indicate that the saving in motor vehicle operating costs over the improved systems of highways provided exceeds $60,000,000 annually. The fact that much of the improvement of highways is lasting, and may be in use from 20 to 50 years would justify a distribution of costs to cover several years, thus causing the user to pay, the committee concludes. This is evidently fair distribution and so with states or counties which are in the preliminary stages of highway construction and where it has become necessary to proceed with construction so rapidly that the expenditures would cause excessive tax rates, then the costs should be deferred and financing by bond issue is justified and recommended. In the final analysis the question is not merely whether a community shall incur a debt, but whether the maximum economic efficiency and the full development of the public wealth will be best promoted by using public credit.

Manufacturers Look to Foreign Fields for Future Business.

Exports of road building machinery have trebled in the past five years said W. H. Rastall, chief of the industrial machinery division of the Department of Commerce, speaking before the Manufacturers' Division on Thursday. He urged the manufacturers to seriously consider the markets now open in Central and South America, and to avail themselves of the opportunity of utilizing the information gathered by the Department of Commerce. Charles M. Upham pointed out that in Mexico highway work is being carried out largely by the use of machines made in this country, and that the country is sold on American tools and ideas, and other countries in Latin America offer particularly inviting fields for new business. Lion Gardiner, who is president of the division and vice-president of the Lakewood Engineering Co., suggested that the manufacturers organize a body to promote exports to South and Central America and to form a bureau to assemble and distribute information of value. It was emphasized that it is not sufficient to simply sell American made machines, but that properly trained operators must be sent along with the machines and the engineers and contractors of other countries should be encouraged to use American construction methods.

Correlation of Airways and Highways Urged.

In urging the organization of a research department by the Manufacturers' Division, Maurice Holland, director of the division of engineering and industrial research of the National Research Council, reviewed in an illuminating manner the tremendous strides made in certain industries that have relied upon exhaustive research to correct conditions. He also pointed out that the newest competitor of motor transport—air transport—is rapidly developing and promises to seriously affect highway transport in the near future. Therefore, he urged that highway contractors and equipment makers give serious consideration to the development of airports and the correlation of airway facilities with highways. At the present time the airplane is robbed of much of its time saving possibilities in that airports are located so far from the center of our big cities that the time saved in inter-city flying is lost because of traffic delays on city streets, he declared. The building of airports has largely found us unprepared to go forward with this work intelligently, Mr. Holland pointed out, in that four engineering branches must collaborate to successfully construct an airport—namely, an electrical engineer to handle lighting; a civil engineer to handle surveys, layout, etc.; a drainage engineer, to design proper facilities; and a highway engineer to design runways, etc. Mr. Holland urged road builders to give serious consideration to solving the runway problem and to develop proper designs and suitable materials. Research will not only develop new materials out of which to build better road tools but it will assist in developing new fields of application, he stated.

Movement for Inter-American Highway Gains Momentum.

The touring horizon of the American motorist bids fair to be immeasurably widened in the reasonably near future, judging from reports of highway progress in Mexico and Latin America and recent action looking toward the realization of an inter-American highway linking the peoples of the Western Hemisphere. As recounted by delegates to the convention meetings great progress in road building has already been made and ambitious plans for future development are under way.

To Spend **$63,000,000** *for Road Improvements As Result of Traffic Survey Findings in Cleveland.*

Cleveland furnished a big share of the laboratory material dealt out to delegates to the convention, when Dr. J. Gordon McKay, director of the Cleveland Highway Research Bureau, explained some of the principles of regional traffic control demonstrated here. Dr. McKay, while connected with the Bureau of Public Roads, directed an exhaustive survey of metropolitan problems in highway construction in the Greater Cleveland area, with such success that the Federal bureau has set up the survey as a model for similar undertakings in the future. Speaking before the City Officials' Division he pointed out the serious problems, whose ramifications extend beyond the city limits into surrounding territory. Delegates were told that major traffic arteries in large cities must be widened, grade separation projects built where needed, and streets laid out for the scientific control of traffic, as well as built substantially of good materials. Only through constant research and intelligent application of engineering principles can cities hope to cope with vexing traffic problems, the speaker said.

"Planning and construction of present highways should provide for future expansion of the roadway when additional traffic use requires," said Dr. McKay. "Heretofore there has been a lack of scientific methods employed in planning the improvements of highways systems." As a result of a comprehensive improvement program mapped out in Cleveland and surrounding towns and sections in Cuyahoga County, the expenditure of more than $63,000,000 has been decided upon to meet traffic needs, and the work is to get under way shortly.

Problems of Traffic, Design and Construction of City Streets Discussed.

"Accidents Do Not Happen—They Occur," was suggested as a slogan on behalf of the Committee on Traffic, headed by M. O. Eldridge, assistant traffic director of Washington, D. C., who also urged a strict license law in all states and emphasized the need for adequate bureaus to report on and compile data on traffic accidents, with a view to facilitating the building of safety into highways.

George B. Sowers, deputy commissioner, division of engineering and construction, Cleveland, reported for the Committee on Design and Construction. He declared that more money is being spent in constructing and maintaining pavements than in any other municipal enterprise. "Standardization and simplification of specifications will help to eliminate economic waste and permit the producers of paving materials to lower prices through reduction in selling and manufacturing costs," Mr. Sowers said.

Competition Among Cities for **1930** *Road Show Keen.*

Representatives of other cities anxious to have the road show and convention move from Cleveland next year were active throughout the convention. The consensus of opinion seems to be for a change—not that Cleveland has not met every demand and need for space, hotel facilities, etc., but the fact that the undertaking is both scientific and educational and a potent factor in stimulating the building of improved highways necessitates its being held in various sections of the country as facilities afford. Atlantic City, which has just completed a mammoth auditorium, is the strongest contender for the 1930 show. Kansas City, Mo., Houston, Tex., Toronto, Canada, and New Orleans, La., are also seeking to "land the show."

American Road Builders' Association Chooses Officers.

Officers and directors for the year 1929-1930 are as follows: President, Frederic A. Reimer, consulting civil engineer, East Orange, N. J.; vice-president, W. A. Van Duzer, assistant chief engineer, Pennsylvania Department of Highways, Harrisburg; vice-president — Southern district, D. B. Dimick, president, American Casting Co., Birmingham, Ala.; vice-president—Central district, S. F. Beatty, vice-president, Austin Western Road Machinery Co., Chicago; vice-president—Western district, Samuel Hill, honorary life president, Washington State Good Roads Association, Seattle, Wash.; treasurer, James H. MacDonald, consulting road and paving expert, New Haven, Conn. Directors elected for three years include: J. H. Cranford, president, Cranford Paving Co., Washington; Arthur W. Dean, chief engineer, Massachusetts Highway Commission, Boston; J. S. Helm, general manager, Asphalt Sales Dept., Standard Oil Company of New Jersey, New York; Wm. Ogden, manager, State Highways Division, Austin-Western Road Machinery Co., Chicago; Wm. R. Smith, president, Lane Construction Co., Meriden, Conn.; Frank Terrace, president, Washington State Good Roads Association, Seattle; Charles M. Upham, secretary-director, American Road Builders' Association.

County Highway Officials' Division Elects Officers and Directors.

Officers for the year chosen by the County Officials' Division of the association are: President, Chas. E. K. Grubb, engineer, Newcastle County, Wilmington, Del.; vice-president—Northeastern district, L. O. Marden, engineer, Worcester County, Worcester, Mass.; vice-president—Southern district, A. J. Wise, engineer, Harris County, Houston, Tex.; vice-president—Central district, E. L. Gates, superintendent of highways, DuPage County, Wheaton, Ill.; vice-president—Western district, Stanley Abel, supervisor, Fourth District, Kerm County, Taft, Cal. Directors named for three years include: Merl B. Breesem, engineer of roads and bridges, Luzerne County, Wilkesbarre, Pa.; J. A. Bromley, road engineer, Anne Arundel County, Annapolis, Md.; J. T. Bullen, engineer, Caddo Parish, Shreveport, La.; C. E. Burleson, engineer, Pinellas County, Clearwater, Fla.; Chas. W. Deterding, engineer, Sacramento County, Sacramento, Cal.; R. B. Preston, engineer, Norfolk, Va.; and George C. Wright, superintendent of highways, Monroe County, Rochester, N. Y.

Manufacturers' Division of Association Also Elects.

The Manufacturers' Division selected the following officers: President, P. L. Griffiths, American Tar Products Co., Pittsburgh, Pa.; vice-president, Chester H. Lehman, secretary and general sales manager, Blaw-Knox Co., Pittsburgh; treasurer, W. T. Chevalier, general manager, Engineering-News Record; secretary, Frank A. Peck, vice-president, Universal Crane Co., Cleveland; executive secretary, Mr. Upham.

Directors include: S. F. Beatty, president, The Austin-Western Road Machinery Co., Chicago; Harold E. Smith, president, T. L. Smith Co., Milwaukee, Wis.; M. A. O'Mara, president, Brockway Motor Truck Corp., New York; F. F. Hase, president, C. H. & E. Manufacturing Co., Milwaukee; Lion Gardner, vice-president, Lakewood Engineering Co., Cleveland; Jos. Helm, president, The Asphalt Association; George Warren, assistant general manager, Portland Cement Association; Mr. Walsh, vice-president, Sullivan Machinery Co., Chicago.

Further significant facts on the Road Show and Convention will be published in the MANUFACTURERS RECORD *next week.*

$1,000,000 Hotel Projected for Elizabethton, Tenn.

The construction of a $1,000,000 hotel at Elizabethton, Tenn,. has been undertaken by John M. Cooper and Associates of Asheville, N. C., who have organized the General Carter Hotel Co. to promote the project. The structure will cover an area 125 by 242 feet and will be built in units, the first to be 8 stories high. The first floor will provide space for 7 stores in addition to a spacious lobby and hotel dining room; the mezzanine floor will be devoted to offices, sample rooms and lounging space. The upper stories will afford space for 100 rooms and baths, the top floor being devoted to apartments.

The building will be of steel frame construction, with hollow tile and brick walls faced with stone and terra cotta and reinforced concrete floors. The first two stories will be trimmed with polychrome terra cotta medallions with bronze for the store fronts, canopies and entrances. Store floors will be laid in terrazzo on reinforced concrete, while the lobby will be finished with Tennessee marble. Lounging space on the mezzanine will be reached by a broad stairway from the lobby and dining rooms, which open directly from the lobby. Ladies' rest rooms will be located on the mezzanine floor and in the basement space will be provided for boiler and fuel rooms, machinery rooms, storage, billiard rooms and toilets.

High speed electric passenger elevators will be installed, with a service elevator, and a mechanical ventilating system will serve all parts of the hotel, as will a vacuum vapor steam heating system with concealed heat cabinets. Circulating hot and cold water systems and a circulating ice water system will also serve the building and electric fans will be installed in the ceiling of each room. The apartments on the top floor will be provided with kitchenettes and Frigidaires and the suites will be arranged with two single rooms and bath between two larger units.

Robert L. Kane, of Asheville, is the architect.



GENERAL CARTER HOTEL TO BE ERECTED AT ELIZABETHTON.

FELDSPAR MERGER INVOLVES ASSETS OF $8,000,000.

Consolidated Feldspar Corporation Capitalized at $5,000,000.

The Consolidated Feldspar Corp., with estimated assets of more than $8,000,000, has been chartered in Delaware for the consolidation of a number of feldspar properties, including the Golding Sons Co., Trenton, N. J.; Erwin Feldspar Co. of Spruce Pine, N. C., and Erwin, Tenn.; Dominion Feldspar Corp., of Canada and New York; Maine Feldspar Co., of Brunswick, Me.; Isco-Bautz Co., Inc., Murphysboro, Ill.; Feldspar Quarries Co., Ltd., of Canada; Norman G. Smith Co., Spruce Pine, N. C., and other companies in various parts of the country. The capital stock of the consolidated company will be $5,000,000, including 50,000 shares of $7 cumulative preferred stock and 300,000 shares of common stock, all without par value. A. J. Fink, Baltimore, is chairman of the board of directors of the new corporation and Herbert P. Margerum, formerly president of Golding Sons Co., is president.

New Orleans the Cradle of Opera.

The atmosphere of romance which still embraces New Orleans, even in these days of its great business activities, pervades a paper read recently by Professor John S. Kendall, chair of romance languages at Tulane University, before the Round Table Club of that city. With "The French Opera House—Its People and Times" as his subject, Prof. Kendall framed a historical picture in a romantic setting, recalling the masterpieces presented in long gone years by artists whose names still live, and bringing to mind the glories of Champein, Gretry, Delayrac, Mehul, Boieldieu and others. Opera was regularly established in New Orleans in 1796, Prof. Kendall says, and New Orleans, rather than New York, was the cradle of opera in this country.

Suggests the Marketing of Cement Ready-Mixed With Sand.

Bedford, Va., January 11.

Editor Manufacturers Record:

I have wondered if Portland cement could not be marketed ready-mixed with sand in the proper proportion, say half-and-half or one-to-three, and in this way better serve the industry. It seems that the sand proportion in certain sections is quite an item, and to have the cement come ready mixed, for small jobs particularly, would insure the proper results. For the cement mills to handle the right grade of sand and in trainloads should not be any more expensive to the consumer than for the consumer himself to go to the expense of getting his own sand of the right quality and proper proportion.

Is not the idea worth following up, and if so, would it not be well to get in touch with the Portland Cement Manufacturers Association? Of course, this is just an idea, but sometimes small changes in current practice result in savings to some and even more money for others.

JOS. N. PARKER.

The foregoing is published with the view of bringing the matter before the cement industry, and the MANUFACTURERS RECORD would be glad to have expressions as to the feasibility of the plan suggested by Mr. Parker. Any great reduction in transportation costs does not seem possible, since the mills would have to bring in the sand and ship it out again in the mixed product, although by this method a more uniform mixture could be obtained to suit particular requirements.

A New Addition to an Old Textile Mill Village.

Each year the standard of improvements in Southern mill villages becomes higher, as it should, and the standard of the living of the operatives thus improved. Further improvement in the houses and in the appearance of the villages is to be expected, particularly in more care being given to the artistic appearance of the houses and the development of landscape improvements.

By E. S. DRAPER,
Charlotte, N. C.

Anyone familiar with the South will realize that the past ten years have seen a transition in the textile industry as regards its provisions for housing of employees. The average textile village at the present time provides a neat, four, five or six room cottage for its employees, the cottage usually being of frame construction, owing to the fact that wood materials are relatively lower in cost in the South than in the East, with a well arranged interior, usually consisting, in addition to the rooms for living purposes, of an entrance hall and bathroom. Houses are electrically lighted, usually with running water and water-carried sewerage, and located on lots with sufficient space to provide room for children's play and gardens.

While the carrying out of the village plan varies considerably, according to whether the owner has the desire and the money to improve the streets, grade the yards, plant trees and shrubbery, etc., the standard of the houses as regards certain essentials of room arrangement and utilities varies very little. The old-time mill house built as cheaply as possible, with four rooms, no hall, no bathroom, and little provision for the necessary utilities has almost ceased to exist in the South.

Alabama has passed a law which gives the cotton mill communities until 1931 to provide a complete system of water-carried sewerage for every house. Even with the regulations of far-sighted health boards, the majority of the cotton mills are themselves in advance of the general countryside in their provisions for necessary utilities in the villages. Some mills, such as the Chicopee Manufacturing Company, who have built a new town near Gainesville, Ga., have erected houses which would stand the test of real estate sale in any city of the country. The houses at Chicopee are all of brick veneer and stucco construction, with asbestos shingle roofs, copper flashings, copper eaves and downspouts, with the roof water carried to the streets, brick steps, and well arranged and detailed interiors.

The most difficult problem of village improvement unquestionably comes in extending a village which consists of a certain number of houses of the old type construction by building additional houses. When the Kendall Company, now operating five Southern plants, first came South they adopted the policy of buying existing mills and villages in order to get into production as early as possible. Invariably they made improvements to bring the mills up to date and have gradually been carrying out improvements in the existing villages. The village of Oakland Mills, at Newberry, S. C., a subsidiary of the Kendall Company, well illustrates this problem. The village as existing when purchased by the Kendall Company was an average of the older type of cotton mill village. The houses were of the usual type of construction; some attention had been paid to street tree planting and hedges, but beyond that little had been done.

It was found necessary to extend the Oakland Mill by the building of 55 new houses. The existing village occupied three flat ridges, one on which the mill and a street were located, and the other two at right angles to the mill, leaving an open space of considerable area within the village. The land considered most desirable for building purposes was taken up, leaving the balance of the land in the area within the village sloping in nature, with a drainage channel running through the middle of the area. It was found on investigation that this land was not too sloping for building, in fact, gentle in slope except for a small portion of the area, and that it would be less expensive for the mill to build new houses and complete the village addition close to the mill and tie it in with the old village than to attempt an independent new layout at some distance from the mill.

In studying this problem it was found desirable by the landscape architect for the mill to move 15 existing houses in order that a more economical and more attractive village plan could be worked up. This was done, and the houses moved were so located as to tie in with the new village layout, which departed from the rectilinear layout of the old village sufficiently to provide satisfactory leads towards the mill and to fit the several rows of houses to the topography in such a way as to make an attractive and economical use of the land.

The new portion of the village was built with attractive houses, carefully designed by Lockwood, Greene & Co., architects and engineers of Charlotte, of four, five and six room types, with houses for overseers located near the mill, facing a wooded park area. The houses are attractive bungalows with an asbestos shingle roof, curtain walls, and porches. A complete system of sewerage has been installed, circulating water to the houses, and the houses electrically lighted, being served from the rear, with poles along the rear lot lines, thus doing away with poles on the village streets except for street lights.



A beautiful setting for a village bungalow amid the pines at Oakland Mills.

The design and supervision of the general plan of the Oakland Village, including layout of streets, lots and parks, details of curb gutter, storm drainage and planting, were carried out



Note heavy growth of Bermuda grass in the yard. To a greater extent than is now done, the mills should consider the planting of grass to improve the appearance of the village.



A site left for a village church, at intersection of two streets. Note pleasing appearance of the backs of the houses.



View from mill roof showing overseers' row at the right and old houses moved to a location on new street at the left.



Type of bungalows for mill overseers.

by E. S. Draper. The design and supervision of houses, sewer and water system were by Lockwood, Greene & Co.

In the improvements to the village, which are shown as recently completed in the illustrations, the streets have been well graded and surfaced, with concrete curb gutters and storm drainage. The yards have been thoroughly grassed to prevent washing, and street trees and a certain number of trees in the yards planted throughout the village. The entire village as completed furnishes a good example of the solution of a troublesome problem that often comes up in Southern communities, that of extending an existing village to provide for additional houses for the mill.



Large trees are an asset in themselves. Oftentimes they make up for deficiencies in the type of house or street treatment. Modern mill houses are far superior to the old type homes here shown.



Improvements to the street in one of the old villages.



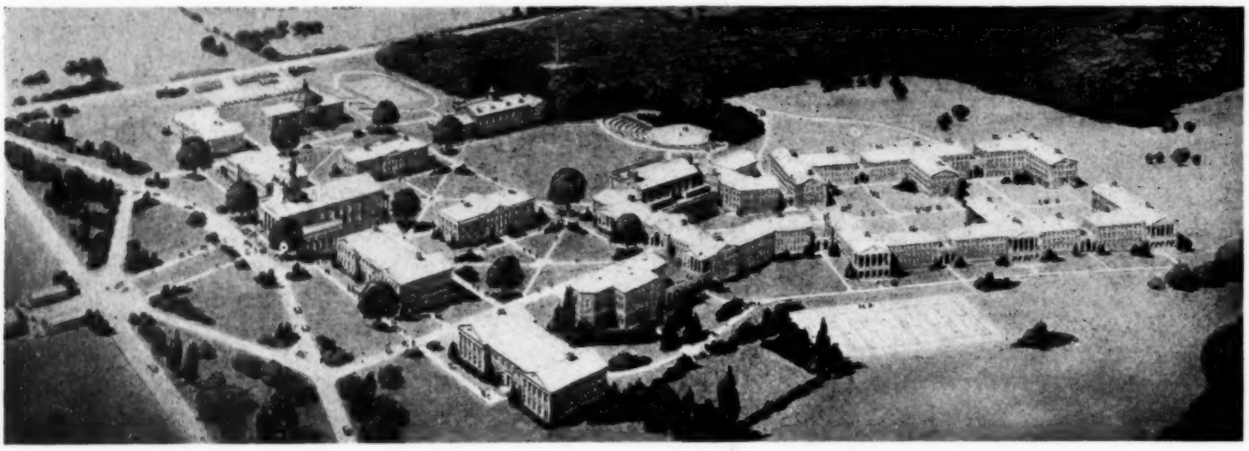
Nearly every mill has a boarding house for unmarried employees. This view shows a substantial structure, although such houses now being erected are of a better type of architecture.

Uninformed and misguided persons weep gobs of sorrow at the "sad plight" of Southern cotton mill operatives, for their "deplorable living conditions," and for their "poverty." Do the homes pictured herewith convey any such impression? Even the oldest mill villages in the South, with their individual houses, located in a section of the country with abundant sunshine and life-giving fresh air, provide homes in many cases far better than those used by similar labor in the congested centers of the country, while the villages of comfortable bungalow-type homes amid attractive landscape arrangements, which have been constructed by Southern textile mills in recent years, are not surpassed by industrial housing accommodations anywhere.

New Buildings for Wesleyan College.

Wesleyan College at Macon, Ga., of which Dr. William F. Quillian is the president, is now in its ninety-second session, conducting its operations in new buildings on a campus of 170 acres five miles from the original site of the college. The first units of a proposed group have been completed at a cost of $1,700,000 and embrace 12 structures, among which are an infirmary, dining room, students' activities building, library, three dormitories, social hall, gymnasium and power plant. They are of Georgian Colonial architecture, brick construction, in varying tones of red with white marble trim. The library building is a gift of Judge John S. Candler of Atlanta. The dining room with a columned veranda is modeled after Mount Vernon. A marble loggia marks the entrance to the dormitory group where a series of parlors and reception rooms leads to the sleeping quarters.

Walker and Weeks of Cleveland, Ohio, are the architects and Dunwody and Oliphant of Macon, associate architects. General contract was awarded to the Southern Ferro Concrete Company of Atlanta. Other contractors include: O'Pry Heating and Plumbing Company, Macon Electric Company, Ross Construction Company, Lowe Electric Company and the Standard Brick Company, all of Macon; Hatfield Electric Company, Indianapolis, and the Enochs Lumber Company, Fernwood, Miss.



WESLEYAN COLLEGE BUILDINGS AS THEY WILL APPEAR WHEN PROPOSED NEW GROUP IS COMPLETE.

$100,000,000 PUBLIC IMPROVEMENT PROGRAM UNDER WAY IN NEW ORLEANS.

Sewerage and Water Board Expending $14,750,000—Levee Board Is Carrying Out $40,000,000 Reclamation Project.

New Orleans, La.—A construction program embracing public improvements and developments recently completed, under way or soon to be started in New Orleans involves the expenditure of more than $100,000,000, according to a survey of activities. The Sewerage and Water Board plans the expenditure of $14,750,000 within the next three years to include improvements to the main pumping plant costing $700,000. Garbage incinerator facilities will cost $1,250,000 and a new courthouse $1,500,000, plans for the latter having been accepted. Plans for a $2,000,000 auditorium have, likewise, been accepted and construction bids are expected to be invited soon.

The Over-Seas Railway, now operating a railway ferry service between New Orleans and Havana, cost, with port terminals, $1,000,000.

A new coffee dock, which is said to be the finest terminal of its kind in the country, was recently completed at a cost of $2,000,000 and preliminary work is now under way on an airport, which will be a part of $40,000,000 development on Lake Pontchartrain, a reclamation project which has been undertaken by the Levee Board. This will involve the raising of a 5-mile frontage of water and marsh lands six feet above tide level and the conversion of the area into beautified parks and residential sites.

A new gasoline tax heralds a $30,000,000 road construction program in Louisiana which will provide hard-surfacing for the principal highways and it is expected that roads leading into New Orleans will be among the first to be improved. Other work contemplated includes the Canal street beautification program to cost $3,500,000 and a new Colton school to cost $1,000,000. A spillway and flood protection program is expected to be started this year, to cost several millions of dollars, while a general building program is estimated to cost from $6,000,000 to $8,000,000.

40-Mile Railway Line Projected in Virginia.

Application has been made to the Interstate Commerce Commission by the Surry, Sussex & Southampton Railway, with offices in Baltimore, for authority to build a standard gauge railway line from Franklin, Va., to Hopewell, a distance of approximately 40 miles. Such a line would connect with the Seaboard Air Line and put Hopewell on a through line.

$700,000 to Rebuild Scottish Rite Temple.

McAlester, Okla.—Approximately $700,000 will be expended by the Masters of the Bodies of the Ancient and Accepted Scottish Rite, Golden Pennebaker, secretary, for rebuilding the Scottish Rite Temple here, bids for which will be opened February 2. William T. Schmitt & Hawk & Parr, Oklahoma City, are the architects.

Bids Invited on $300,000 Hospital Unit.

Knoxville, Tenn.—Bids will be opened February 4 by the Sisters of St. Mary for the erection of the first unit of St. Mary's Hospital to accommodate about 75 beds, with a provision for other units later with a total of 300 beds. Crowe & Schulte, Cincinnati, Ohio, are the architects and Charles J. Guzzo, chairman of the building committee.

Miami's All-American Air Meet to Be Annual Affair.

OPENING OF PAN-AMERICAN AIR SERVICE SIGNIFICANT DEVELOPMENT OF WORLDWIDE AVIATION.

Formal dedication of the Pan-American airport was held at Miami during its All-American Air Meet recently. So successful was the meeting, at which some of the outstanding figures in aviation participated, that decision has been made to make it an annual affair.

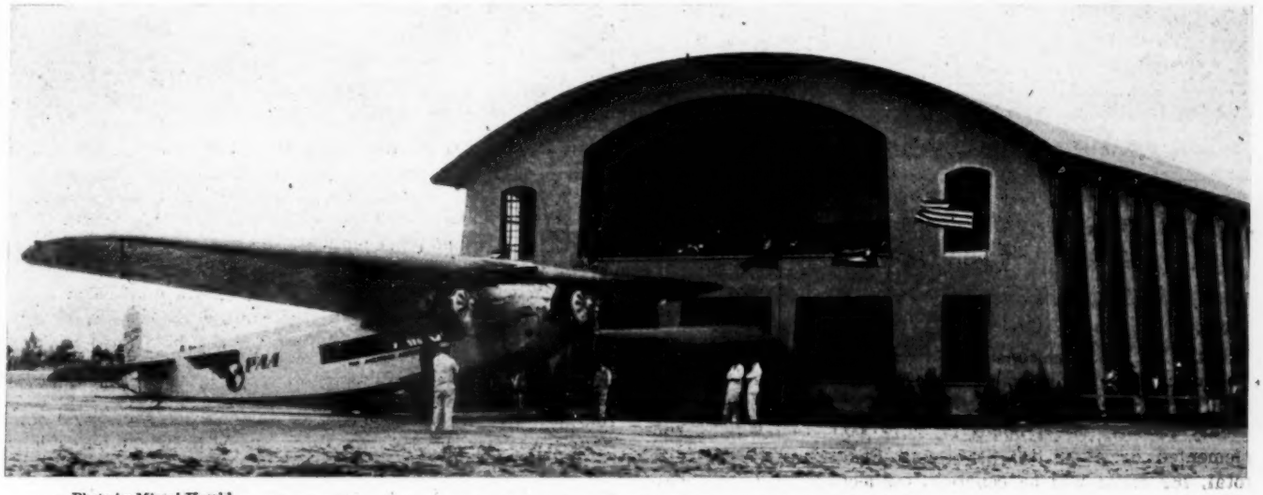
On January 9, regular passenger and air mail service to Nassau and the West Indies was started by the Pan-American Airways, Inc. The service at present extends to Nassau, Havana, Santiago, San Juan, and in a few weeks will be extended to the Panama Canal Zone.

During the meet, night flying exhibitions were given by the pilots of the Pitcairn Aviation, Inc.; this organization carries the mail between New York and Miami. All the facilities of Miami's municipal airport an A-1-A field, were used during the meet, viz., complete lighting equipment, with rotating beacon, flood light and border lights, large steel hangar with shop and shop equipment, and a field over a half mile square with rolled rock runways of ample width stretching in two directions.

The Pan-American air station at Miami is said to be one of the largest and most complete in the United States. Officials of the postoffice department, attending the air meet, through their speeches indicated the pride that the Government is taking in the rapid extension of passenger and air mail service to Central and South America, and the willingness of the Government to offer every aid to the plans now being carried out by the Pan-American Airways, Inc. These plans include connecting 20 Latin-American countries with the United States in the next few months, with a total flying distance of approximately 15,000 miles.

The main object of the Miami All-American Air Meet was to demonstrate to pilots and manufacturers of planes the unusually good flying conditions in the Miami district and to show its well equipped airports and air fields, available both for land and sea planes. Representatives of some of the largest aircraft manufacturers were present to observe conditions in Miami for the manufacturing, testing and selling of airplanes and equipment.

The opening of the Pan-American service was of the greatest importance to all countries in the Western Hemisphere and was undoubtedly a significant event in the development of worldwide aviation.



—Photo by Miami Herald.

NEW PASSENGER STATION OF PAN-AMERICAN AIRWAYS AT MIAMI.

BIG COAL MERGER PROJECTED IN KENTUCKY.

$50,000,000 Corporation to Consolidate Property.

Whitesburg, Ky.—The merger of a number of Eastern Kentucky coal interests, representing properties valued at approximately $30,000,000 and centering around Whitesburg, is expected to be announced soon. Properties involved in the proposed consolidation include those of the Carol Robinson mines, Number 4 Superior Coal Co., Happy Coal Co., the Trace Fork Mining Co., two mines on the Carrs Fork Branch Railroad, mines of the Rockhouse Coal Co. and the Marion mines on the Rockhouse branch a short distance from Blackey, in addition to large mines of the Wakenva Coal Co. with mines in Virginia and Tennessee, and mines of the Consolidated Fuel Co. at Elsiecoal and Blackey. It is understood a $50,000,000 corporation will be organized to take over and operate the properties, installing modern machinery in all the plants.

Oklahoma Gas and Electric Company Plans.

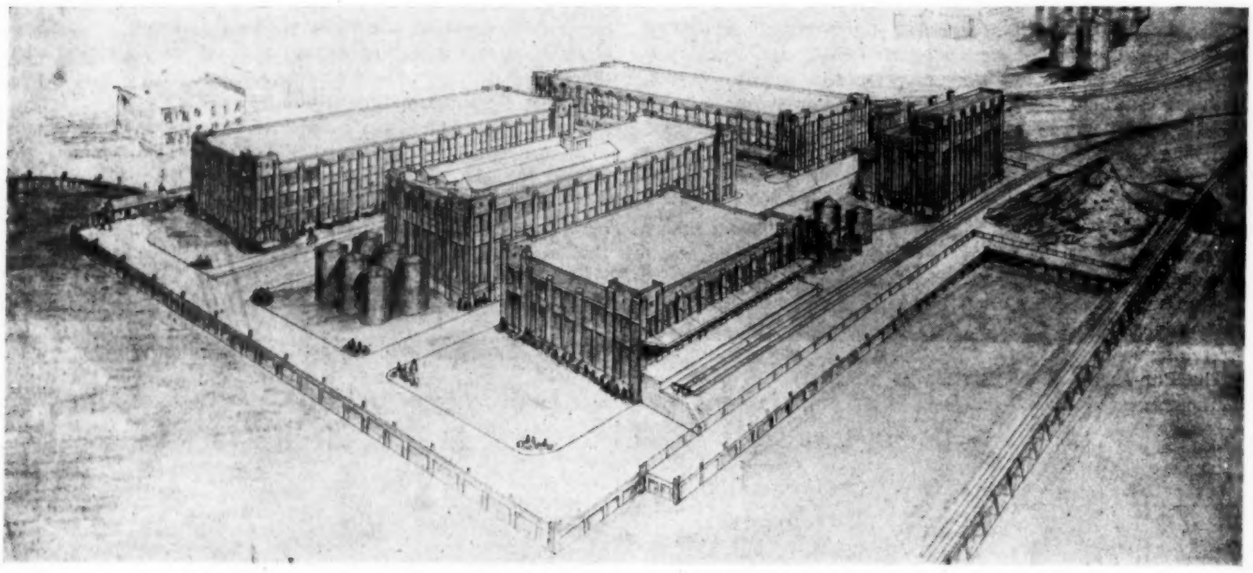
Because of the marked industrial and agricultural development in Oklahoma last year and the fact that 27 new towns were added to its system, the Oklahoma Gas & Electric Co. plans extensive improvements and additions to its lines and power plants in 1929, according to J. F. Owens, vice-president and general manager. Additions contemplated include 15 new sub-stations at various points, a new voltage line from a point near Garber to Enid, reconstruction of the El Reno-Hennessey line, extensions and additions to offices and equipment at main division points, such as Enid, Sapulpa, Muskogee, Shawnee, Ardmore and Durant; a three-story stores building in Oklahoma City and several sub-stations and lines to serve newly acquired additions.

The underground system in the downtown section of Oklahoma City will be completed, the distribution system at Alva rehabilitated and a score of smaller projects will be undertaken, involving automatic switches, oil breakers and heavier wire. The company serves 179 towns in the state.

XUM

$4,000,000 Procter and Gamble Plant.

Contracts are expected to be awarded soon for the construction of the $4,000,000 soap plant in Baltimore for the Procter and Gamble Co., of Cincinnati, Ohio. Bids have been received by the Buying Department of the company for building a 400-foot bulkhead entirely across the front of the property on the north side of Locust Point, where the plant will be erected. The site of the big plant, embracing eight acres, adjoins that of the American Sugar Refining Co. and is considered to be admirably adapted to the operations of the Procter and Gamble Co. for the manufacture and distribution of its various products, which will necessitate the employment of approximately 500 workers. A dock will be constructed on the property in connection with the project. S. M. Manley is engineering superintendent of the company.



ARCHITECT'S SKETCH OF PROCTER AND GAMBLE SOAP PLANT TO BE ERECTED IN BALTIMORE.

$16,000,000 Expenditure for Major Projects in a Texas County—$7,000,000 for Roads and $3,000,000 Cement Plant Included.

Waco, Tex.—Plans are being formulated in McLennan County for starting construction of half a dozen projects to involve an expenditure of $16,000,000. The largest single item will be construction of 500 miles of road for which the county recently voted bonds of $4,791,000; this will be supplemented by $3,000,000 State and Federal funds. Of the total, 169 miles will be concrete, connecting with four main cross-state lines, these to have a 100-foot right-of-way and 20 feet of concrete. In addition, it is planned to build 330 miles of gravel cross-roads; their completion will give an all-weather surface to 90 per cent of the 710 miles of rural mail and school roads, half of which have already been paved or graveled.

In the opinion of the Waco Chamber of Commerce, which inaugurated the "Waco Forward Movement" last spring, construction of concrete highways will strengthen Waco's position as the keystone of cross-state traffic. Three railway and two highway bridges now carry more freight and passenger traffic across the Brazos River at Waco than at any point on its thousand-mile course through Texas. Waco was recently made a division point for air mail for the state, the main line coming to the city from Chicago and branching; with the international mail to Mexico continuing by way of San Antonio and Laredo and a more eastern route going to Houston and Galveston. A $75,000 site was recently purchased for a municipal airport.

The proposed construction of gravel cross-roads will care for milk routes to the Borden condensed milk plant to be opened this spring. This plant, now being erected at a cost of $500,000, is considered an important development toward a diversified and stabilized agriculture in this section. A poultry and egg packing plant was opened in Waco in November and public stock yards will soon be opened at the Cotton Palace barns. Establishment of these farm marketing institutions and opening them to the county by cross-road construction, was an impelling motive for the road bond election in December.

The proposed highway system is expected also to initiate tourist travel to Lake Waco, on which construction is well under way in the Bosque Hills. It will be 10 miles long and three miles across at its widest, encircled by a scenic highway, one and a quarter miles long, crossing the dam. The lake side of the dam will be faced with concrete topped with a wave-break, curving outward and rising two feet along the edge of the roadway. It will be used for the city's water supply and connected by a concrete aqueduct to the filter plant, which will be enlarged.

Included in the six major projects will be the $3,000,000 plant of the Atlas Portland Cement Co., now under construction, together with a number of civic projects for which a $2,000,000 bond issue was recently voted. Of the latter, a new city hall will be erected at a cost of $225,000, streets will be paved, sewers extended and other projects undertaken. Business and residence construction has kept pace with the major enterprises, the former including two 11-story office buildings, a 10-story hotel and a large office and club building for the Karem Shrine.

Contract for 1,000,000-Bushel Elevator.

The Pillsbury Flour Mills of Minneapolis, Minn., awarded contract to the Jones-Hettelsater Construction Co., of Kansas City, Mo., for the erection of an elevator addition at Enid, Okla. The addition will consist of 52 tanks to hold approximately 1,000,000 bushels.

Vocational Agriculture in North Carolina.

By Leonora W. Wood.

A farm program which does not have as its chief interest the boys and girls of the farm is inadequate. An educational system for agricultural sections of the country which does not include in its curriculum a carefully planned agricultural course is lacking in one of its vital elements and is badly in need of reconstruction. Leading educators of North Carolina are convinced of this truth, and are giving their best thought to working out and putting into operation a broad, constructive agricultural program.

Vocational Agriculture was given its rightful place in the high schools of North Carolina in 1923. The State Board for Vocational Education, working with the county boards, made it possible for any high school with a sufficient enrollment to be given a Department of Vocational Agriculture. The requirements to be met by the local schools are:

"An enrollment and average attendance of 25 farm high school pupils in the agricultural classes. These pupils must be at least 14 years of age and they must be situated so they can carry on the project work on their home farms.

"A class room about 20 by 30 feet in size, equipped with approximately $300 worth of laboratory equipment, books and furniture, must be provided the first year. The second year a farm shop is required. By the end of four years the agricultural and shop equipment will cost approximately $600.

"The county or local community must pay three-eighths of the teacher's salary.

"The teacher must be employed on a yearly basis, and satisfactory travel arrangements must be made for visits to home projects and to do community work.

"If the above requirements are met, the State Board for Vocational Education will pay five-eighths of the total salary of the teacher. For example: If the teacher should be paid $1800 the State Board will pay $1125 of this amount, leaving $675 to be paid by the county."

In 1923-24 requirements were met by 90 schools in the state. These were located in 54 counties, and enrolled 5405 persons.

One of the revelations due to the introduction of Vocational Agriculture is the hunger for knowledge found among the men and women of the rural communities. Many had very limited educational advantages, but that they fully appreciate the desirability of education is shown by the evening classes for adults which have an enrollment almost equal to that of the regular high school pupils.

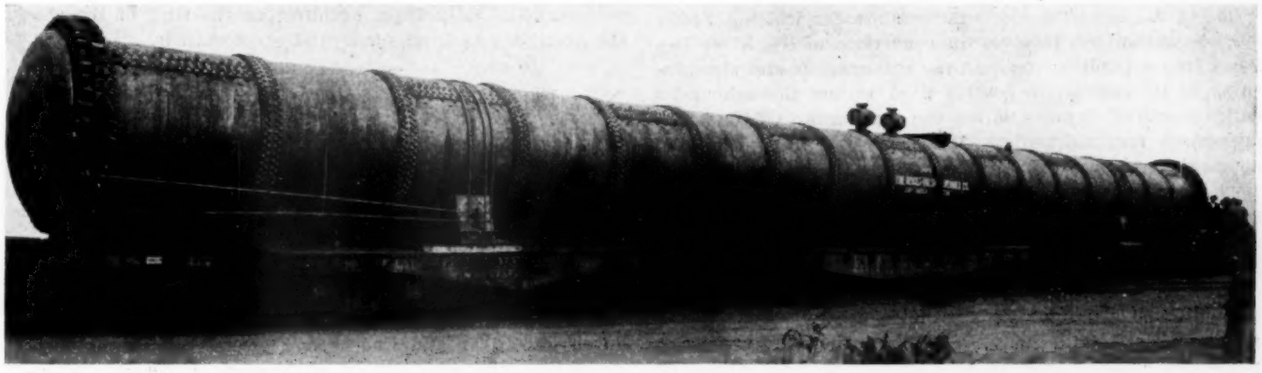
The movement has steadily grown until the 1927-28 reports show 135 schools with well established Vocational Agriculture departments with an enrollment of 9279 of which 4943 are high school students.

Another far-reaching step is the organization into one body of the students of Vocational Agriculture throughout the state. The first state meeting was held at Raleigh last spring with 300 young farmers in attendance, representing schools all over the state. Addresses were made by Dr. A. T. Allen, State Superintendent of Public Instruction; Dr. E. C. Brooks, President of State College; Clarence Poe, Editor of the Progressive Farmer, and others. One of the features of the meeting was the presentation by Dr. Allen to the successful candidates of the degree of Carolina Farmer, the highest honor conferred by the organization. To merit this, students "must maintain a high standard of scholarship in all high school studies; they must have completed at least two years' work in vocational agriculture, and they must have saved from the profits of their projects at least $300, which has been invested in farm enterprises or placed in a savings account." North Carolina boasts also of the first teacher to win the honor of Master Teacher of Vocational Agriculture in the South, A. H. Veezey.

Vocational Education is indeed a good investment for the state and community. "For each dollar spent in teachers' salaries for the year 1923-24 there was a return of $2.13 from the practical work of the boys." During 1926-27 the income from practical work amounted to $974,371. The students in the schools benefited and teachers of agriculture gave individual advice to more than 25,000 farmers in communities where they were working. Group meetings were held throughout the State and attended by more than 50,000 persons.

Longest Steel Drum Ever Assembled for Shipment.

The Combustion Engineering Corporation, New York, reports that its affiliated company, the Hedges-Walsh-Weidner Company, Chattanooga, recently shipped to the Gulf States Creosoting Company, Jackson, Miss., an unusually large steel drum to be used for pressure creosoting. The shell is 140 feet long, 8 feet in diameter and has a plate thickness of one inch. This is said to be the longest steel drum ever shipped as a completely assembled unit. The shipment was one of two such drums handled by the Southern Railway.



STEEL DRUM, WEIGHING BETWEEN 150 AND 200 TONS, LOADED ON FIVE FLAT CARS.

XUM

ST. LOUIS CARRYING OUT GREAT BUILDING PROGRAM.

Completes Number of Projects Provided by $87,372,500 Bond Issue.

In 1923, the city of St. Louis approved a bond issue of $87,372,500 for municipal improvements; at the present time the city has completed many of the projects for which bonds were voted, while virtually all are in course of completion. Outstanding among the items covered by the bond issue were the erection of a $4,000,000 civil courts building, a $5,000,000 municipal auditorium and the construction of a $12,000,000 waterworks system. An expenditure of $8,650,000 was authorized for opening and widening streets, with the further expenditure of $5,800,000 for street improvement.

Of several completed projects, two of the largest are Olive street and Franklin avenue. The former, a main thoroughfare, was widened to a 100-foot boulevard for a distance of 22 blocks, from Twelfth boulevard to Channing avenue, the work necessitating the razing of many buildings and moving back a number of others. Plans are going forward for the construction of the Union Station plaza, for which $2,600,000 was appropriated, the consummation of the project to involve the acquisition of land one block wide in front of the station and extending from Eighteenth to Twentieth street.

The proposition for street improvements provides funds for payment of a portion of the cost of paving or reconstructing major thoroughfares. Ordinances have been passed making appropriations for 55 projects, 38 of which have been completed and 13 are under contract. Thirty miles of streets have been improved at a cost of $3,727,070, of which $2,209,626 has been assessed in special taxes against abutting property and $1,517,444 has been paid with bond issue funds. The 13 projects on which contracts have been awarded cover seven miles of streets, and appropriations of $426,722 have been made for four other projects.

The bond issue provided $8,000,000 for installation of an electric street lighting system, in which it is estimated a total of 54,000 lighting units will be required. A total of 29,710 units have been put in service at a cost of approximately $5,938,000, while contract for installation of 4366 units in the downtown section is nearing completion at a cost of $2,235,985.

Work has virtually been completed on the civil courts building, the tallest structure in the city, rising to a height of 384 feet above the street and included in the projected municipal plaza of public buildings. Of the $8,000,000 bonds provided for sewers, $3,928,000 have been sold and expenditures of $3,495,863 made. Five projects involving the construction of 10.6 miles of main and lateral sewers, ranging from one to 15 feet in diameter, have been completed at a cost of $2,189,500, and contracts have been awarded and work has begun on two projects covering construction of 2.5 miles. Only three projects scheduled for construction with bond issue funds remain to be awarded.

One of the largest projects undertaken, for which $11,000,000 was authorized, involves the conversion of the River Des Peres into a public sewer and the enlargement and straightening of its channel to control flood waters throughout its entire length of 13 miles within the city limits. Of the bonds authorized for this project, $3,050,000 have been sold and appropriations made for specific purposes as of November 1, 1928, to the amount of $10,754,716. It is anticipated that some of these projects will cost considerably less than the amount appropriated and that at least $1,500,000 will become available for re-appropriation.

More than $477,000 has been expended for the acquisition of additional parks and playgrounds, for which $2,500,000 was authorized, while $559,687 has been expended for existing parks, for which $1,300,000 was authorized. The $1,000,000 municipal service building is nearing completion and is expected to be put into service in the near future. It is three stories high and provides a total of 202,000 square feet of floor space, of which 112,300 square feet will be used for a municipal garage. Other improvements provided in the general bond issue which have been completed or are in course of construction include:

Construction and reconstruction of public markets—$1,250,000 authorized and $1,000,000 expended. Construction of new water works, expected to be in service by February—$12,000,000 authorized and $10,301,691 expended. Elimination of grade crossings—$1,600,000 authorized and $257,065 expended. Erection and repair of fire engine houses and purchase of motor apparatus and other equipment—$772,500 authorized and $580,804 expended. Extension to hospitals and other institutions—$4,500,000 authorized and $2,350,000 expended. Southern approach to municipal bridge—$1,500,000 authorized and $521,143 expended.

First contracts on the new municipal auditorium, for which $5,000,000 was authorized, are expected to be awarded in 1929 and the building completed within three years. A part of the property needed for the municipal plaza and soldiers' memorial, for which $6,000,000 was authorized, has been acquired at an expenditure of $3,538,054, and after the purchase of all necessary property it is estimated that $1,000,000 will remain for the erection of the structure. The sum of $400,000 was authorized for the construction of an acquarium in Forest Park but no contracts as yet have been awarded.

Water Improvement District Votes $7,500,000 Bonds.

The Willacy County Water Control and Improvement District No. 1, Raymondville, Tex., voted a 6 per cent bond issue of $7,500,000 for the construction of reservoirs for storing flood waters for irrigation purposes. The district embraces approximately 130,000 acres of citrus fruit land in the Rio Grande Valley, of which 65,000 acres are already under cultivation. It surrounds the towns of Raymondville, Lasara, Hargill, Rollo, Santa Margarita and Willamar, the boundary lines approaching within a mile of Lyford, Sebastian, San Carlos, La Blanca, Elsa and Edcouch. Railway lines of the Missouri-Pacific System traverse the district for a distance of 46 miles and contracts have been awarded for the construction of 71 miles of concrete highways within its bounds.

$750,000 Louisville and Nashville Building Addition.

Louisville, Ky.—Plans are being made by the Louisville & Nashville Railroad Co., William H. Courtenay, chief engineer, for the erection of an 11-story and basement addition to its general office building here to cost about $750,000. The first two stories will be faced with stone, while the upper stories will be of pressed brick with stone or terra cotta trim. The structure will have a steel frame, concrete floor joists and hollow tile filler, hardwood floors in the offices and marble or tile in the corridors. Two electric elevators will be installed. J. C. Haly, architect on the staff of the chief engineer, is preparing plans and specifications.

New Buildings Projected for Jackson, Miss., to Cost $2,000,000.

Several new buildings for Jackson, Miss., have recently been announced, including a 17-story structure to be erected by Paul Chambers, Thad B. Lampton and others, at a cost of $500,000, and for which Claude H. Lindsley of Jackson, is the architect. It will be of the tower type, it is said, 200 feet high. J. B. Stirling of Jackson, and associates, are reported considering the erection of a 12-story office building, to cost $500,000, and Enochs & Flowers, Ltd., are reported promoting the erection of a 20-story structure to cost $1,000,000.

Production of Lumber, Lath, and Shingles.

SOUTH PRODUCES OVER 46 PER CENT OF THE COUNTRY'S LUMBER.

Production of lumber, lath and shingles in the United States in 1927, according to the Department of Commerce, was as follows: Lumber, 34,529,450,000 feet, board measure, a decrease of 6.5 per cent as compared with 36,935,930,000 feet in 1926; lath, 2,372,333,000, a decrease of 23.1 per cent as compared with 3,083,130,000 in 1926; shingles, 6,443,868,000, an increase of 7.2 per cent as compared with 6,008,346,000 in 1926.

Of the 46 States reporting the production of lumber for 1927, 31 show decreases and 15 increases as compared with the output for 1926. Increases were reported for Alabama, Georgia, Missouri, North Carolina and Oklahoma in the South.

Production in the Southern States as a whole shows that 16,067,359,000 board feet of lumber were cut in 1927, which represents over 46 per cent of the country's total output that year.

Lumber production in the United States has been steadily decreasing for several years. In fact, the lumber cut of the United States in 1927 was 251,000,000 board feet below the output of 34,780,515,000 board feet in 1900. However, the South can show a better record, for its production in 1927 was 1,630,000,000 board feet more than the cut of 14,437,179,000 board feet in 1900.

Seven kinds of wood contributed more than 1,000,000,000 feet each to the total cut for each of the two years. The dominating woods, as for previous years, are yellow pine and Douglas fir, which contributed 31.5 per cent and 24.5 per cent, respectively, of the total production for 1927, as against 31.8 per cent and 23.8 per cent, respectively, of that for 1926. All of the seven woods of chief importance show decreases for 1927 as compared with 1926, the largest decrease being shown for Douglas fir.

The figures for 1927 as here presented are preliminary and subject to such correction as may be found necessary after further examination of the returns.

PRODUCTION OF LUMBER BY STATES, 1927 AND 1926.

State	Number of mills 1927	Number of mills 1926	Lumber cut, feet,* board measure. 1927	Lumber cut, feet,* board measure. 1926	Per cent of increase or decrease
United States...	13,755	15,241	34,529,450,000	36,935,930,000	— 6.5
Alabama	1,647	1,634	2,171,687,000	2,105,122,000	3.2
Arizona	26	23	169,085,000	115,232,000	46.7
Arkansas	460	567	1,229,481,000	1,441,018,000	—14.7
California and Nevada†	154	180	2,070,811,000	2,187,959,000	— 5.4
Colorado	116	128	67,321,000	75,278,000	—10.6
Connecticut	144	132	55,949,000	47,367,000	18.1
Delaware	45	36	16,824,000	9,433,000	78.4
Florida	183	194	907,128,000	920,585,000	— 1.5
Georgia	1,133	1,087	1,201,008,000	1,145,489,000	4.8
Idaho	145	145	923,986,000	947,471,000	— 2.5
Illinois	50	63	28,663,000	38,357,000	—25.3
Indiana	256	246	148,492,000	139,472,000	6.5
Iowa and Kansas†	26	24	14,012,000	14,002,000	0.1
Kentucky	375	431	197,618,000	216,759,000	— 8.8
Louisiana	237	316	2,385,724,000	2,889,530,000	—17.4
Maine	400	508	263,818,000	340,893,000	—22.6
Maryland	256	262	67,541,000	68,444,000	— 1.3
Massachusetts	175	176	88,298,000	86,168,000	2.5
Michigan	143	159	578,254,000	663,344,000	—12.8
Minnesota	123	155	396,891,000	471,090,000	—15.8
Mississippi	837	1,175	2,556,612,000	2,894,994,000	—11.7
Missouri	356	273	189,136,000	178,568,000	5.9
Montana	126	122	396,267,000	378,698,000	4.6
New Hampshire	252	312	215,912,000	243,007,000	—11.1
New Jersey	24	31	5,044,000	6,953,000	—27.5
New Mexico	73	67	172,517,000	127,110,000	35.7
New York	399	452	142,505,000	170,963,000	—16.6
North Carolina	1,142	1,057	1,055,222,000	970,965,000	8.7
Ohio	379	411	127,880,000	141,499,000	— 9.6
Oklahoma	74	82	169,943,000	149,929,000	13.3
Oregon	369	399	3,992,852,000	4,454,735,000	—10.4
Pennsylvania	589	634	277,722,000	318,797,000	—12.9
Rhode Island	16	11	6,815,000	5,426,000	25.6
South Carolina	370	497	817,016,000	920,825,000	—11.3
South Dakota	48	49	46,909,000	49,281,000	— 4.8
Tennessee	566	688	595,297,000	683,323,000	—12.9
Texas	194	222	1,446,460,000	1,456,121,000	— 0.7
Utah	49	53	6,152,000	6,479,000	— 5.0
Vermont	252	306	90,880,000	111,638,000	—18.6
Virginia	688	919	535,616,000	676,663,000	—20.8
Washington	400	480	7,325,862,000	7,546,239,000	— 2.9
West Virginia	223	270	541,870,000	588,788,000	— 8.0
Wisconsin	197	223	819,507,000	912,524,000	—10.2
Wyoming	38	42	12,863,000	19,392,000	—33.7

*Not including production of mills cutting less than 50,000 feet.
†Combined to avoid disclosing production of individual establishments.

PRODUCTION OF LUMBER, FOR PRINCIPAL KINDS OF WOOD, 1927 AND 1926.

Kind of wood	Quantity* (feet board measure) 1927	Per cent distribution 1927	Quantity* (feet board measure) 1926
Total	34,529,450,000	100.0	36,935,930,000
Ash	136,820,000	0.4	164,397,000
Balsam fir	15,939,000	†	18,485,000
Basswood	145,921,000	.4	153,164,000
Beech	154,158,000	.4	174,731,000
Birch	326,788,000	.9	365,159,000
Cedar	305,964,000	.9	367,578,000
Chestnut	263,771,000	.8	297,540,000
Cottonwood	103,215,000	.3	121,974,000
Cypress	609,682,000	1.8	752,499,000
Douglas fir	8,443,053,000	24.5	8,806,535,000
Elm	160,536,000	.5	182,356,000
Hemlock	2,070,812,000	6.0	2,158,652,000
Hickory	51,584,000	.1	85,589,000
Larch	288,377,000	.8	254,457,000
Lodgepole pine	13,255,000	†	29,110,000
Maple	774,000,000	2.2	829,020,000
Oak	2,013,053,000	5.8	2,190,504,000
Red gum	1,101,112,000	3.2	1,133,347,000
Redwood	569,605,000	1.6	487,715,000
Spruce	529,294,000	1.5	647,191,000
Sugar pine	282,217,000	.8	306,465,000
Sycamore	29,487,000	.1	32,153,000
Tupelo	267,192,000	.8	256,276,000
Walnut	62,111,000	.2	52,087,000
Western yellow pine.	2,798,754,000	8.1	3,172,975,000
White fir‡	279,737,000	.8	349,984,000
White pine	1,344,661,000	3.9	1,366,051,000
Yellow pine	10,891,172,000	31.5	11,751,647,000
Yellow poplar	334,604,000	1.0	321,579,000
All other	162,576,000	.5	106,710,000

*Not including production of mills cutting less than 50,000 feet.
†Less than one-tenth of one per cent.
‡Includes all western firs except Douglas fir.

PRODUCTION OF LATH, FOR PRINCIPAL STATES, 1927 AND 1926.

State	Number of mills 1927	Quantity 1927	Number of mills 1926	Quantity 1926
United States	716	2,372,333,000	942	3,083,130,000
Washington	100	766,109,000	109	901,976,000
Oregon	43	273,066,000	54	388,733,000
Louisiana	43	186,167,000	58	273,346,000
Mississippi	26	144,453,000	38	197,968,000
Minnesota	30	131,281,000	60	224,560,000
Maine	46	117,756,000	60	164,615,000
Idaho	27	108,337,000	23	109,935,000
Florida	28	101,217,000	37	132,389,000
All other States	373	543,947,000	503	689,608,000

PRODUCTION OF SHINGLES, FOR PRINCIPAL STATES, 1927 AND 1926.

State	Number of mills 1927	Quantity 1927	Number of mills 1926	Quantity 1926
United States	398	6,443,868,000	476	6,008,346,000
Washington	132	5,690,579,000	136	5,135,160,000
Oregon	22	309,818,000	27	309,727,000
California	29	122,314,000	29	168,194,000
Louisiana	19	72,169,000	17	82,977,000
Wisconsin	20	54,096,000	18	50,745,000
Maine	49	50,854,000	67	57,587,000
All other States	127	144,038,000	182	203,956,000

San Antonio Soon to Begin Important Projects.

San Antonio, Tex.—A proposed improvement program, made possible by the recent authorization of a $4,755,000 bond issue, will soon be undertaken by the City of San Antonio, according to Mayor C. M. Chambers. Two of the important items include a $1,250,000 sewage disposal plant and a $500,000 flood prevention project. Hawley and Freese and O. N. Flood of Fort Worth and Dallas, have been retained as construction engineers for these two projects and it is understood that plans and specifications for the former have been completed. All flood prevention work will be let to contract.

XUM

$2,000,000 ROLLING MILL IN TENNESSEE FOR ALUMINUM COMPANY.

Initial Monthly Capacity 1,000,000 Pounds Alloy Sheets—To Begin Production of Structural Shapes.

Construction has been started on the proposed $2,000,000 rolling mill at Alcoa, Tenn., for the United States Aluminum Co., a subsidiary of the Aluminum Corporation of America, Pittsburgh, Pa. The plant which is expected to be ready for production early in the fall will have an initial capacity of 1,000,000 pounds monthly of strong aluminum alloy plates and sheets, provision being made for increasing the capacity to 3,000,000 pounds when the demand justifies. This production is said to be equivalent to approximately 9,000,000 pounds of steel sheets monthly.

Machinery will be of the most modern type, of individual motor drive with roller bearing. About 15,000 horsepower of electrical energy will be required initially and approximately 500 additional men will be needed for the company's operations at Alcoa for a 3-shift schedule. One rolling unit is designed especially for the fabrication of large alloy plates and sheets 10 feet by 20 feet.

The future expansion of the aluminum industry, it is thought, will be largely influenced by the adaptation of strong aluminum alloys through structural uses, such as engines, railway cars, furniture and precision instruments. To take care of the demands looked for from this source, the company plans to produce plates and sheets from three main types of alloys. Of these, the 17S alloy, known as duralumin, containing small quantities of copper, magnesium, manganese and silicon, is said to have a tensile strength ranging up to 70,000 pounds per square inch. It is widely used in the construction of air craft. The 25S alloy contains copper as the main alloy ingredient, according to the company, while the 51S alloy contains less than 2 per cent of magnesium and silicon. The latter is said to have remarkable cold working and die forming qualities in the heat-treated form, so that it is being extensively used in the sheet metal industry.

Another new aluminum product, known as "Alclad," it is stated, may contain a core of any of the above named alloys with an integral surface coating on both sides of pure alumi num. This, it is understood, gives the metal all the strength and rigidity of the aluminum alloys combined with the high corrosion resistance of pure metal. "Alclad" sheets are being used in the construction of air craft, boats and other products where resistance to corrosion and weather is of prime importance.

The new Alcoa mill in combination with mills under construction at Massena Springs, New York, for the fabrication of aluminum and strong alloy structural shapes, such as I beams, angles and channels, will give the Aluminum Company facilities for supplying standard structural forms, which have only been obtainable heretofore in steel.

Bids on 450 Dwellings for Goodyear Plant at Gadsden.

Gadsden, Ala.—Bids will be received until January 30 by the Gadsden Land & Building Corp., Judge Louis L. Herzberg, president, for the erection of 450 dwellings to accommodate employes of the Goodyear Tire & Rubber Co.'s plant to be built here. The dwellings will be of three, four, five and six rooms, of frame construction, with brick curtain walls. Robert & Co., Inc., of Atlanta, are the architects; E. S. Draper, Charlotte, landscape architect, and A. H. Zieske, of the Goodyear company, construction engineer. The following contractors are estimating: A. K. Adams Co., Atlanta; Batson-Cook Co. and West Point Iron Works, both of West Point, Ga.; Daniels Lumber Co., La Grange, Ga.; Townsend Lumber Co., Anderson, S. C.; T. C. Thompson & Bros., Charlotte; Algernon Blair and A. C. Samford, both of Montgomery, Ala.; R. H. Hamill Co., Huntington, W. Va.; Alabama Engineering & Construction Co., and C. G. Kershaw Construction Co., both of Birmingham, and Home Builders Service Co., Chattanooga.

Bids on Roanoke Hotel Addition.

Bids will be opened January 28 by the New Hotel Corp. for the erection of a 10-story and basement addition to the Patrick Henry Hotel at Roanoke, Va., to provide about 130 additional rooms. Frye & Stone, of Roanoke, are the architects.

West Virginia University Plans 14-Story Building.

Morgantown, W. Va.—Plans are being prepared by Davis, Dunlap & Barney, Philadelphia, Pa., for a 14-story building to be erected here by the West Virginia University, of which Dr. John R. Turner is president. The biennial budget of the University, incorporating a request for funds with which to erect the building, is now pending in the Legislature.

Commercial Development in Africa.

Indications that Africa is likely to figure as progressively more prominent in United States trade, as shown by the attendance of a Boer representative at conventions of the National Foreign Trade Council, seem to be strengthened by the opening of a commercial development and advertising bureau at Lagos, Nigeria, under the management of A. C. Macauly. The Commercial and Advertisement Bureau, as it is known, is said by Mr. Macauly to give advice on commercial matters and to help solve commercial difficulties and puzzles.

Arkansas Awakes to Its Possibilities.

By Tom Shiras, Mountain Home, Ark.

The movement of large industries from the North and East into the South has awakened Arkansas to the benefits such industries would bring to the State, and every effort will be bent from this time on to attract those industries for which it can supply raw material. To this end, members of the Arkansas Legislature recently made a trip through Virginia, Alabama, Georgia, Tennessee and North and South Carolina to study industrial conditions and to gather information on the laws in those States governing industry.

The State Chamber of Commerce has three major purposes: To sell Arkansas to its own people; to sell Arkansas to the rest of the United States, and to silence so-called humorous pens which may draw untrue pictures of the State and its citizens. One director has been chosen from each geographical group, and one director from each of the principal industrial and business groups.

The first large undertaking of the State Chamber of Commerce will be to make a comprehensive and detailed survey of the State's resources, employing a nationally known firm of engineers to make the investigations. The reports will be distributed to manufacturers all over the United States using raw material found in this State, with other data pertaining to labor, markets, transportation, etc. The State Chamber also will ask the legislature to change the Inheritance Tax law; the law governing the organization of corporations, and the Back Tax law.

For many years, Arkansas has been made the site or subject for more or less humorous yarns in various publications, and the citizens now feel that some variety might be practiced and Arkansas be relieved of the "interlocutor's" position, and the State Chamber will endeavor to persuade publishers to that point of view.

Iron Ore Industry in 1928.

SOUTHEASTERN STATES SECOND LARGEST PRODUCING AREA IN THE COUNTRY.

The iron ore mined in the United States in 1928, exclusive of ore that contained 5 per cent or more of manganese in the natural state, is estimated by the United States Bureau of Mines at 62,151,000 gross tons, an increase of nearly 1 per cent as compared with 1927. The ore shipped from the mines in 1928 is estimated at 63,244,000 gross tons, valued at $154,491,000, an increase of 3 per cent in quantity and of 2 per cent in total value. The average value of the ore per gross ton at the mines in 1928 is estimated at $2.44; in 1927 it was $2.47. The stocks of iron ore at the mines apparently decreased to 9,266,000 tons in 1928, or 8 per cent.

The Southeastern states, which constitute the second largest iron-ore producing area, including the Birmingham and Chattanooga districts, mined approximately 6,646,000 gross tons of iron ore in 1928, a decrease of 2 per cent as compared with 1927. The shipments of iron ore from mines in these States in 1928 amounted to 6,462,000 gross tons, valued at $12,784,000, decreases of 6 and 8 per cent, respectively, in quantity and value as compared with 1927. The ore is mainly hematite; brown ore and magnetite come next in order.

The average value of the ore produced in these states in 1928 per gross ton was $1.98; in 1927 it was $2.04. The stocks of iron ore at the mines in this group of states, mainly in the Birmingham district, increased from 873,539 gross tons in 1927 to 1,057,000 gross tons in 1928. These stocks are about 286,000 tons more than the average for the preceding five years.

The imports of iron ore reported for the 11 months ended November 30, 1928, amounted to 2,280,247 gross tons, valued at $4,996,191, or $2.19 a ton. The imports for the year 1927 were 2,620,717 gross tons, valued at $6,068,283, or $2.32 a ton. The reported exports of iron ore for the 11 months amounted to 1,269,202 gross tons, valued at $4,764,143, or $3.75 a ton, as compared with exports for the entire year 1927 of 898,793 tons, valued at $3,425,435, or $3.81 a ton.

ESTIMATES OF IRON ORE MINED AND SHIPPED IN THE UNITED STATES IN 1928 AND ACTUAL OUTPUT IN 1927.

District	Ore mined (Gross tons)		Ore shipped			
			1927		1928	
	1927	1928	Gross tons	Value	Gross tons	Value
Lake Superior:						
Michigan	15,075,079	13,725,000	14,532,831	$37,135,364	14,245,000	$36,716,000
Minnesota	35,461,138	37,457,000	35,563,177	87,935,099	37,969,000	93,114,000
Wisconsin	1,091,118	1,285,000	937,935	2,567,078	1,396,000	3,713,000
	51,627,335	52,467,000	51,033,943	$127,637,541	53,610,000	$133,543,000
Southeastern States:						
Alabama	6,445,464	6,297,000	6,508,419	$12,973,597	6,113,000	$11,758,000
Georgia	50,312	91,000	50,312	147,068	91,000	259,000
Missouri	78,605	100,000	78,605	315,670	100,000	395,000
North Carolina	32,528	.....	32,528	81,753	.....	.....
Tennessee	121,914	130,000	121,220	474,620	130,000	290,000
Virginia	64,592	28,000	66,897	172,877	28,000	82,000
	6,793,415	6,646,000	6,857,981	$13,965,585	6,462,000	$12,784,000
Northeastern States:						
New Jersey	220,660	234,000	202,720	$860,393	328,000	$1,244,000
New York	853,159	724,000	936,850	4,568,224	764,000	3,041,000
Pennsylvania	1,170,435	1,022,000	1,124,883	2,559,916	1,022,000	2,311,000
	2,244,254	1,980,000	2,264,453	$7,988,533	2,114,000	$6,596,000
Western States	1,076,096	1,058,000	1,076,096	1,534,161	1,058,000	1,568,000
Grand total	61,741,100	62,151,000	61,232,473	$151,125,820	63,244,000	$154,491,000

Portland Cement Production and Shipments Increased in 1928.

Production of 175,968,000 barrels of finished Portland cement in 1928, an increase of 1.6 per cent over 1927, is reported by the Department of Commerce, while shipments reached a total of 175,455,000 barrels, an increase of about 2 per cent. Stocks in December were reported at 22,573,000 barrels, approximately 2 per cent more than a year ago. For Virginia, Tennessee, Alabama, Georgia, Florida and Louisiana, the production in 1928 was 15,936,000 barrels, a slight decline compared with 1927, while shipments of 15,732,000 barrels for 1928 increased. Texas production increased from 5,656,000 barrels to 6,345,000 barrels and shipments from 5,692,000 barrels to 6,277,000 barrels. Figures for other Southern cement manufacturing states—Maryland, West Virginia, Kentucky and Oklahoma, are not available by states.

SUMMARY FINISHED PORTLAND CEMENT PRODUCTION, SHIPMENTS AND STOCKS, BY PRODUCING DISTRICTS.

District	Production		Shipments		Stocks, December	
	1927	1928	1927	1928	1927	1928
	Barrels	Barrels	Barrels	Barrels	Barrels	Barrels
Eastern Pennsylvania, New Jersey and Maryland	42,687,000	39,277,000	41,657,000	39,436,000	5,107,246	5,047,000
New York and Maine*	10,776,000	11,481,000	10,531,000	11,353,000	1,528,810	1,656,000
Ohio, Western Pennsylvania and West Virginia	17,339,000	18,336,000	17,202,000	18,036,000	2,606,598	2,861,000
Michigan	13,965,000	13,900,000	13,708,000	14,041,000	2,205,284	1,998,000
Wisconsin, Illinois, Indiana and Kentucky	22,022,000	22,684,000	22,395,000	22,593,000	2,614,241	2,668,000
Virginia, Tennessee, Alabama, Georgia, Florida & Louisiana	16,016,000	15,936,000	15,530,000	15,732,000	1,682,096	1,896,000
Eastern Missouri, Iowa, Minnesota and South Dakota	14,358,000	16,687,000	14,567,000	16,503,000	2,731,568	2,882,000
Western Missouri, Nebraska, Kansas and Oklahoma	10,093,000	10,931,000	10,251,000	11,220,000	1,619,765	1,335,000
Texas	5,656,000	6,345,000	5,692,000	6,277,000	407,403	522,000
Colorado, Montana and Utah	2,179,000	2,744,000	2,294,000	2,575,000	369,547	535,000
California	14,581,000	13,704,000	14,433,000	13,745,000	809,507	753,000
Oregon and Washington	3,535,000	3,943,000	3,605,000	3,944,000	399,907	420,000
Total	173,207,000	175,968,000	171,865,000	175,455,000	22,081,972	22,573,000

*Maine began producing in April, 1928, and shipping in May, 1928.

IRON, STEEL AND METAL MARKET

Light Buying of Steel Considered Seasonal.

Pittsburgh, January 21—[Special.]—Strictly new buying of steel since January 1 has run rather light and may seem somewhat disappointing, but much the same thing has been observed at this time in other years, when in the long run the first quarter proved to be a very active one. There are some reports of mill operations decreasing slightly in the last fortnight, but these reports are not general and the prospect remains that this month will show a gain over December, which was a good month in production as it made the unusual showing of running at the average rate of the year. Measured by steel ingot producing capacity the December rate was 85 per cent.

Two large line pipe orders have been placed. The Pacific Gas & Electric Company has ordered 50 miles of 16-inch and 150 miles of 20-inch, about 44,000 tons, of electrically welded pipe from the A. O. Smith Corporation, for a natural gas line. The Prairie Pipe Line Company has ordered 300 miles of 8-inch and 200 miles of 12-inch, about 40,000 tons, from the National Tube Company and the Central Tube Company, for an oil line from Panova, Okla., to Griffith, Ind., to supplement the company's present line.

The Atchison, Topeka & Santa Fe has ordered 3300 freight cars in addition to the 750 cars reported a week ago. The Lehigh Valley has ordered 300 automobile cars. Orders reported since November 1 total 21,865 cars. This is a small volume of business in itself, but represents a rate which if continued would make this year considerably better than either of the last two years in freight car building.

About 39,000 tons of fabricated structural steel lettings were reported last week, making a very fair run of business. Orders earlier in the month were light. Generally speaking, not much structural business is expected to come out in January. The fabricating shops are moderately well filled with business. They had unusually heavy orders last year, up to October 1, but they also had unusually heavy shipments.

A little note of conservatism has crept into appraisals of the future of steel. The outlook has not turned unfavorable, but there is less disposition than in December to predict heavy business in steel far ahead. The showing steel itself has been making is favorable but attention must be paid to underlying conditions, which as to high money rates and stock market uncertainties are by no means especially promising. There is quite a divergence of testimony as to the volume of steel the automobile industry is taking, some makers reporting very heavy tonnage, others a rather moderate tonnage. Possibly the difference is due to the fact that in two lines, sheets and strips, prices were advanced some time ago but deliveries are still being made against specifications filed in December, against the expiring contracts. Common talk has been that the automobile industry would not strike its pace, whatever the pace is to be, until after the principal shows were out of the way. It is a fact that leading automobile manufacturers are making somewhat smaller predictions as to 1929 production of cars and trucks than they were in December.

Finished steel prices are perfectly steady all along the line with the exception of plates, which have been rather weak for a long time and are no weaker now. Bars and shapes are firm at 1.90c, Pittsburgh, with small lots at 1.95c, plates being easy at 1.90c. Sheets are commanding their full advanced prices named some time ago, except for shading by a few small mills, chiefly in galvanized sheets. Nail shipments are heavy, against contracts recently expired, on account of the price advance. Jobbers have taken out contracts for the quarter without demur at the advanced prices. Further details have come out as to the price schedule on nails: Large jobbers, $2.65; small jobbers, $2.70; retailers, $2.75; large consumers, $2.70; ordinary consumers, $2.75, all in carload lots. Steel scrap prices have stiffened in face of light buying by mills.

Metals in Waiting Attitude.

New York, January 21—[Special.]—The metals have been uniformly quiet over the past week, thus continuing their condition of the preceding week. But little development has been contributed to the price situation except in the case of tin where levels sagged to the low point of swings over the past several months. The price situation is so far firm though there have been threats of reduced prices in some of the major metals.

The general impression is that metal producers must merely wait for business to develop, for fundamental business conditions are very favorable and practically all lines of manufacture which consume metals are active.

Among the minor metals the two "silvers" are at the low points for several months. Silver was sold under 57c per ounce and quicksilver is a wide open market at the lower figure of $121 per flask, first mentioned a week ago. Antimony has turned slightly easier, available now at 9¼c to 9⅜c per pound, duty paid.

December statistics shows the tendency of surplus stocks to increase. Surplus stocks of refined copper increased over 13,000 tons, the second sharp gain in succession, blister stocks increasing also, making a total increase for copper above ground of nearly 20,000 tons. Stocks at the close of the year were 65,500 tons and it is stated that these will increase until 100,000 tons are in sight, thereby providing enough reserve to prevent tight situations such as occurred several times in 1928. World copper production in 1928 was a new high record, according to the American Bureau of Metal Statistics, which has made a preliminary estimate of 1,916,471 tons as against 1,674,818 tons for 1927, the previous record. Production in the United States was another new high at 1,060,094 tons as against 847,419 tons for 1927 and 971,123 tons in 1916, the former record. Though consumption is gaining steadily, this is at a slower rate than production, but since there is the need for building up surplus stocks this does not threaten the market strength.

Stocks of lead at the smelters of the United States and Mexico at the end of the year were the highest since September, amounting to 44,788 tons as against 39,529 tons a month previous. The gain was due in part to smaller shipments in December, due in turn to the taking of inventory and the desire to keep stocks at consuming plants low. Production last month was 81,576 tons, an increase by 2700 tons during the month.

Export sales of copper during the week averaged 3,000,000 pounds daily. If there is any improvement in copper buying in the next few weeks it is expected to come from abroad as foreign users are the more poorly covered on future needs. Most of the domestic buying of the past few days has been on the part of the brass makers and for April shipment. Prices are unchanged at 16¾c per pound, delivered to the Connecticut Valley, and 17c c. i. f. European ports. The dullness of the market has caused a little shading of prices, though not enough to be a market factor. In other words, some metal has been sold on a refinery basis rather than on a delivered one, which results in slight concessions.

Lead prices are firm at 6.65c per pound, New York, and 6.50c, East St. Louis. The volume of business has been below normal but producers are contented because of the complete state of order books. It is still felt that the next price change here will be upward, unless of course the London market proves too big a force to oppose. The price of lead

ore has been advanced $2.50 per ton to $87.50 in the tri-State district, the first change in several weeks.

Zinc could not very well be duller. Small producers and dealers have been anxious for business and have cut to 6.30c or 6.32½c per pound, East St. Louis, though the large producers claim to have made no sales below 6.35c.

Tin was rather devoid of trend until Thursday when the market made a right-about-face and started advancing sharply. Those who had sold tin were busy buying it back again. Price levels are slightly above 49c. Consuming demand has been moderate.

Expect Further Activity in Pig Iron.

Birmingham, Ala., January 21—[Special.]—Spot sales of pig iron have eased off a little but there is strong production and active delivery. The melt of iron continues good with indications that there will be a resumption of buying within the next few days, many of the smaller consumers keeping shops in steady operation. Price base of pig iron is firm at $16.50 to $17 per ton, No. 2 foundry, with one company holding off from the market except at the higher price. Reports indicate activity in the near future in the manufacture of both pressure and soil pipe, which will warrant resumption in many shops. Very little pressure pipe has been accumulated on yards and shipments are picking up some. There are sections of the country which can lay pipe the year through. The Southwest has placed some heavy business here recently in pressure pipe.

Foundries and machine shops of the district are anticipating some improvement. Merger of the Birmingham Machine & Foundry Company and the Joubert-Goslin Machine & Foundry Company, the two largest shops of the kind in the South will bring about an industry of proportions. W. H. Hassenger, industrial leader in the district for years and a vice-president of the Alabama Power Co., is chairman of the board, J. Goslin, president, and George M. Morrow, Jr., vice-president and general manager. The two big shops have been engaged for some time in the manufacture of sugar. cotton and heavy chemical machinery.

Work of dismantling the Alice furnace, in the city limits of Birmingham, and Nos. 1 and 2 furnaces at Bessemer, iron makers of the Tennessee Coal, Iron & Railroad Company, is now under way. Improvements and betterments to the new open hearth furnaces at the Ensley Works are in progress. Industrial circles understand that the Steel Corporation is planning to modernize all its works in the several sections of the country and the Birmingham district will feel results of this determination.

Coal is showing no improvement. Demand for domestic coal is steady but railroads purchased heavily before the holidays and are now holding off in their requests for delivery. The coke trade is showing better strength with shipments being made into the middle west in small tonnages but constantly. Foundry coke base price is stated at $5.

Scrap iron and steel is marking time. Heavy melting steel is not in active demand. It is generally understood that the Tennessee Coal, Iron & Railroad Company is making much of its own scrap.

Pig iron and iron and steel scrap quotations follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, $16.50 to $17.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, $17.00 to $17.50; iron of 2.75 to 3.25 per cent silicon, $17.50 to $18.00; iron of 3.25 to 3.75 per cent silicon, $18.00 to $18.50; charcoal iron, f. o. b. furnace, $29.00.

OLD MATERIAL.

Old steel axles	$16.00 to $17.00
Old iron axles	16.00 to 17.00
Old steel rails	12.00 to 13.00
Heavy melting steel	10.25 to 12.50
No. 1 cast	14.50 to 15.00
Stove plate	13.00 to 13.50
No. 1 railroad wrought	9.50 to 10.50
Old car wheels	12.00 to 12.50
Old tramcar wheels	12.50 to 13.00
Machine-shop turnings	9.00 to 9.50
Cast-iron borings	9.00 to 9.50
Cast-iron borings (chem.)	13.00 to 13.50

TEXTILE

Addition for Neely Manufacturing Company.

York, S. C.—General contract for an addition to the Neely Manufacturing Co.'s plant here was awarded to the Clemmer Contracting Co., of Gastonia, N. C., and work is expected to begin at once. Additional floor space of 6000 square feet will be provided.

New Hosiery Mill for Black Mountain, N. C.

The Black Mountain (N. C.) Hosiery Mills will be incorporated by L. S. Covin, B. R. Hunter and associates with a capital stock of $30,000 to establish a mill to make men's rayon and silk hose. About 25 knitting machines will be installed to produce 200 to 240 dozen pairs of hose daily.

Dixie Throwing Company Begins Operations.

Greensboro, N. C.—The large yarn processing plant here of the Dixie Throwing Co., said to be the third largest plant of its kind in the South, has begun operations with a force of 100 operatives. The plant is equipped with 5000 spindles for the production of pure silk yarn or yarn in combination. Joseph Lebauer and Meyer Grobart, Paterson, N. J., own the enterprise.

Meritas Mills to Double Napping Capacity.

Columbus, Ga.—The Meritas Mills plan the erection of an addition to their plant which will practically double the capacity of the napping department. The proposed addition will consist of a 3-story structure, 65 by 42 feet, housing additional napping, shearing and finishing machinery to take care of an increasing demand for napped goods, especially automobile fabrics. The Meritas Mills are an interest of the Standard Textile Products Co., New York, and are now equipped with 57,436 ring spindles, 2992 twister spindles and 1342 looms for the production of drills, duck and sheeting.

Cotton for Jute Burlap Would Increase Consumption by 1,500,000 Bales.

Complete replacement of cotton fabrics for jute burlap would increase the consumption of American cotton in the United States by approximately 1,500,000 bales annually, it is estimated by Leavelle McCampbell, cotton manufacturer and selling agent of New York, in a recent survey. Heavy cotton fabrics and burlap, woven from jute, are used extensively for such purposes as bags and bagging and upholstering. For its supply of jute and jute burlap the United States depends almost entirely on India. Consumption of jute burlap has more than kept pace with industrial and agricultural expansion in the United States. Reports of Indian trade show that shipments from Calcutta to North America in 1927 were more than four times as large as in 1900. In the five years prior to 1928 these shipments were in excess of 1,000,000,000 yards annually, and indications are that 1928 will probably break all records in this trade.

Four types of standard cotton goods—single filling duck, osnaburg, narrow drills and narrow sheetings—are directly affected by the substitution of jute burlap for cotton. Many well informed men believe that this continued substitution has added directly to the difficulties in certain branches of the cotton textile industry during recent years. Production of these four standard cotton cloths in 1928, as reported to the Association of Cotton Textile Merchants of New York, amounted to 976,000,000 yards, a figure well below the annual shipments of jute burlap from Calcutta to North America since 1922.

NEW AND IMPROVED EQUIPMENT

Marion Excavating Machine.

In the line of excavating machines produced by the Marion Steam Shovel Company, Marion, Ohio, is incorporated a new group of type 450 shovels. The Marion supplies the 1¼ cubic yard shovel, where a few years ago the ⅝ or ¾ cubic yard would have been quite satisfactory. Despite the larger bucket, greater weight, more sturdiness, more powerful motor—gas or electric—little more space is said to be required.

The design follows closely that of the type 7, one cubic yard, which the type 450 supersedes. There are electrics and gas-electrics and Diesel-electrics. The underframes are uniform. Booms are 22 feet and handles are 15 feet. Houses are uniformly of steel; boom hoist is standard equipment. Crawlers



TYPE 450 DIESEL-ELECTRIC.

have been lengthened about a foot, to provide the additional stability necessary to the larger power plant and larger dipper. Base frames have been strengthened.

The gas-electric employs a 92 horsepower gasoline engine to drive a 25-kilowatt (continuous rating), direct-current "drooping-voltage" generator which supplies current to the three motors. From the generator toward the dipper, the gas-electric is a duplicate of the electrics. Hoist motors are 30 horsepower, 60-minute rating and swing and crowd motors are 12¼ horsepower, 60-minute rating. The Diesel-electric has for its power plant a Buda M. A. N. 92 horsepower, 1000 R.P.M. Diesel. The Diesel is 4-cylinder, 4-cycle, solid injection and has a 5-bearing crank shaft. It is direct connected to a 25-kilowatt "drooping" voltage direct-current generator, from which point toward the dipper it is a duplicate of the electric or gas-electric.

Electric Traveling Crane.

A new type of electric traveling crane, known as the LHR, developed by the Box Crane & Hoist Corporation, Philadelphia, Pa., is described as a light-capacity, heavy-duty crane, the makers claiming operation within unusually small space



TYPE LHR CRANE, DEVELOPED BY BOX.

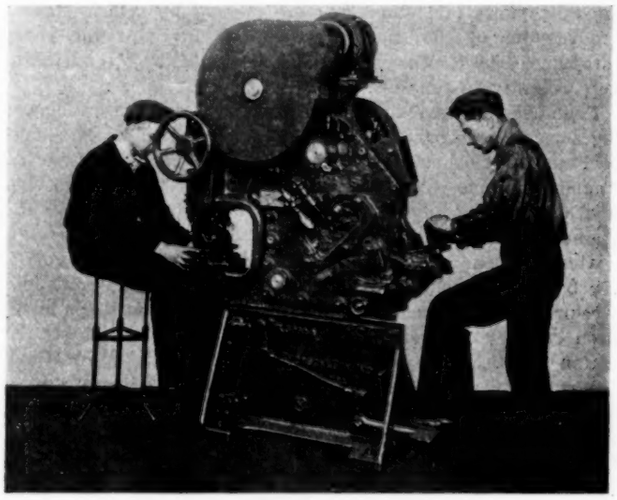
with great hook approach. It has been designed to give adequate crane service for buildings with a minimum height of 10 feet, and effect savings in new building construction because of this small space requirement, storage space to within 24 inches of the ceiling also being permitted. Increased speed with smooth operation and ease of control are additional features mentioned.

The LHR crane is fully standardized from only one-frame size for 1, 2 and 3 tons capacity, and spans up to 50 feet. It is of all-steel, arc-welded construction. The LHR is brought out as the concern's fiftieth anniversary contribution to industry.

Combination Shear, Punch and Coper.

A new combination shear, punch and coper announced by Joseph T. Ryerson & Son, Inc., Chicago, is said to embody all the strong points of the larger cast steel frame combination machines which they have been producing, and to be an ideal machine for the shop handling a varied class of work on the smaller steel sections. The one machine handles punching, plate and bar shearing, angle and tee cutting, angle and tee mitering, coping and notching.

The punch has a deep throat and is capable of handling most varieties of structural shapes within its capacity of 11/16



RYERSON COMBINATION MACHINE.

inch through ½ inch. The operation is not interfered with by the other units, while the shearing end is constructed so that a single slide handles the shearing of angles, bar cutting, plate shearing, and coping. The angle shear attachment handles both inside and outside miter cutting, as well as straight shearing. The bar cutting blades are located directly below the angle shear blades, and below the bar cutter are located the plate shearing blades, which will handle plates of any width or length and up to ⅜ inch thickness. The coping device is built at the shear end of the machine and is extended out from the frame and is a built-in feature. The coping device is regularly furnished in the V-notch type, but the square notching feature can be provided.

The drive is taken through all steel gears to alloy steel eccentric shafts, and the clutches are of the two-jaw type. The main frame of the machine consists of a one-piece alloy steel casting, the bearings throughout are bronze bushed and the working heights of the various attachments provide that the base of the machine can be placed directly on the floor.

$250,000 Bonds for Sewer System.

Paris, Texas, will vote February 12 on a bond issue of $250,000 for the improvement and extension of its sewer system, in accord with a call issued by Mayor Morgan Creek. The bonds will mature in 50 years.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, $40.00 a year.

Airports, Airplane Plants, Etc.

Fla., Tampa—Bd. of Representatives let contract to Tampa Shipbuilding and Engineering Co. at $12,445, for hangar at municipal airport. 11-1

La., Shreveport—Texas Aero Corp., George W. Williams, Pres., Temple, Tex., plans moving airplane manufacturing plant here.

Mo., Bridgeton—City, care Bd. Public Service, City Hall, reported, receives bids early in spring on first unit of airport; includes 2 conc. runways, landing ways, drainage system, administration building, 120x180-ft. double hangar, 2 floodlights, lighting system, hard-surfacing roads; total cost approx. $2,000,000; B. Russell Shaw Co., Engr., 1416 Lindell Blvd., St. Louis.

N. C., Charlotte—Charlotte Airport Corp. voted to erect hangar immediately; brick and steel, 80x100 ft.

Okla., Alva—City votes soon on $35,000 airport.

Tex., Abilene—City, care Secretary, receives bids Feb. 25 on $100,000 bond issue for construction of municipal airport.

Tex., Corpus Christi—Orange Car and Steel Co., Orange, has contract for 50x60-ft. steel hangar for municipal airport. 12-13

Tex., Fort Worth—Texas Air Transport Flying Service, Tom Hardin, V.-Pres., reported, plans inaugurating network of airplane passenger lines, entailing expense of more than $1,000,000, to cover entire state; ordered more than 20 Travelair cabin monoplanes, 6-passenger capacity, besides pilot and baggage room.

Tex., Marshall—City considering $35,000 bond election for airport.

Tex., Palestine—City accepted free lease on airport owned by Jacob Platt.

Tex., Snyder—City acquired 200-acre tract next to north corporation line of city; establish airport entailing outlay of more than $50,000; work to begin in few days.

Tex., Vernon — Industrial Committee of Chamber of Commerce plans acquiring 200-acre tract for airport, located 2½ mi. east of here on A. M. Bourland farm.

Va., Lynchburg—Chamber of Commerce interested in establishing airport.

Bridges, Culverts and Viaducts

Proposed Construction

Alabama—State Highway Comn. receives bids soon for culverts and bridges. See Roads, Streets, Paving.

Alabama—State Highway Comn., Woolsey Finnell, Highway Dir., Montgomery, receives bids Feb. 19 for culverts in 3 counties: Shelby County—culverts between Wilsonville and Harpersville, 10,000 lb. rein. steel; Etowah County—culverts, between Gadsden and Center, 95,000 lb. rein. steel, 17,000 cu. yd. excavation; Talladega-Shelby Counties—culverts, between Harpersville and Childersburg, 32,000 lb. rein. steel.

Ala., Anniston—City, Sidney J. Reaves, Mayor, will start construction about middle of Feb. of conc. structures to replace 223 wooden bridges; H. P. Harris, City Engr., prepared survey.

Ala., Bay Minette—Fish River Bridge Co., J. B. Converse, Engr., Mobile, A. N. Hayselden, Sec.-Treas., Foley, plans toll bridge across Fish River, Baldwin County; being link in Florida Scenic Highway; awaiting approval of War Dept., Washington.

Ala., Wetumpka — State Highway Comn., Woolsey Finnell, Highway Dir., receives bids soon for highway bridge across Coosa River, Wetumpka, Elmore County, on road from Opelika to Tallahassee; cost $200,000; county paying half. 12-20

Arkansas—State Highway Comn. received low bids for 11 bridges. See Roads, Streets, Paving.

Fla., Kissimmee—Bd. of Bond Trustees, Atlantic-Gulf Special Road and Bridge Dist. of State of Florida, D. C. Cox, Chmn., receive bids Jan. 28 for construction work at east end of Kissimmee River Bridge, Osceola County: 1,100 lin. ft. fill, requiring 7,500 cu. yd. earth; 2,200 ft. sheet piling bulkheads; Carter & Damerow, Engrs., Vero Beach.

Ga., McRae—Telfair County granted franchise to E. M. Elliott and Associates, Inc., 360 N. Michigan Blvd., Chicago, Ill., for $200,000 conc. toll bridge over Ocmulgee River between Telfair and Ben Hill Counties. McRae to Fitzgerald; Ben Hill County granted franchise. 4-19

Ky., Lexington—Fayette County, W. H. Edwards, Ch. Engr., and Chesapeake and Ohio R. R. Co., C. W. Johns, Ch. Engr., Richmond, plan 3-span conc. bridge over railroad; also boulevard; cost $100,000.

La., Winnsboro—Louisiana Highway Comn., Baton Rouge, receives bids Feb. 12 for 4 conc. culverts on Winnsboro-St. Joseph Highway, 2.149, 2.952, 3.434 and 3.843 mi., respectively, east of Turkey Creek Bridge at Winsboro, Franklin Parish; C. F. Atkins, Asst. Engr.

Maryland—State Roads Comn., Baltimore, receives bids Jan. 29 for 4 bridges: Charles County—single 60-ft. arch bridge over Wards Run, on Riverside road, from LaPlata to Riverside at Hilltop; double 16-ft. slab bridge over Hancock Run, Riverside road, LaPlata to Riverside, at Grayton; St. Marys County — single 24-ft. arch bridge, from Chaptico to Maddox, 1½ mi. south of Chaptico; single 30-ft. arch bridge, over Locust Run, from Morganza to Clements, south of Morganza.

Md., Baltimore—Henry G. Perring, 3304 Hillen Road, will design and supervise underpass on Cornwall St., to eliminate grade crossings in approach to $25,000,000 plant of Western Electric Co., Point Breeze, including old site of Riverview Park; Chas. F. Goob, City Engr.; Wm. F. Broening, Mayor.

Md., Baltimore—Bd. of Estimates approved proposed underpass north of Eastern Ave., from Seventh to Thirteenth St., for grade crossing elimination on Eastern Ave., at Ninth and Eleventh St.; Chas. F. Goob, Ch. Engr. 9-27

Miss., Bay St. Louis—City receives bids for 2 culverts. See Roads, Streets, Paving.

Miss., Carthage—See Roads, Streets, Paving.

Md., Elkton — State Roads Comn., Baltimore, received low bid from Frank Carozza & Son, Old Town Natl. Bk. Bldg., Baltimore, $116,993 for 165-ft. triple-span, steel and conc. bridge over Pennsylvania R. R. tracks on Red Mill Crossing road, Perryville to Elkton, including approaches, etc., Cecil County. 1-3

Md., Cambridge—Calvin T. Rice considering toll bridge across Choptank River, Cambridge.

Mo., Fulton—State Highway Dept., Jefferson City, reported, proposes expending $14,000 to rebuild Cedar Creek Bridge west of Fulton, between Callaway and Boone Counties; T. H. Cutler, State Highway Engr.

Mo., St. Louis—City, Bd. of Public Service, E. R. Kinsey, Pres., receives bids Feb. 5 for 245-ft. 60-ft. wide rein. conc. bridge on Morganford road over River des Peres; 40-ft. roadway, 10-ft. sidewalks; estimated cost $103,400; L. R. Bowen, City Engr. 10-18

N. C., Greensboro — City, P. C. Painter, Mgr., considering completing Ashe St. underpass; plans selling bonds.

N. C., Kinston — State Highway Comn., Raleigh, plans rein. conc. or struct. steel bridge over Neuse River, Lenoir County, east of Kinston; cost $100,000.

N. C., Shelby—Cleveland County considering expending $20,000 for bridge building. See Financial News.

Oklahoma—State Highway Comn. received low bids for 16 bridges. See Roads, Streets, Paving.

South Carolina—State Highway Dept., Columbia, and Southern Ry., B. Herman, Ch. Engr., Washington, D. C., plans expending $35,000 for 3 underpasses, to eliminate grade crossings: Newberry County — underpass under Prosperity; Lexington County—near Cayce; Fairfield County—at Winnsboro.

Tex., Houston — City, George E. Woods, Mgr., plans expending $9,000 to repair bridge across Bray's Bayou, on Lidstone St.; 100,000 ft. lumber; J. C. McVea, City Engr.

Tex., Liberty—Liberty County, C. R. Wilson, County Judge, plans expending $300,000 for bridge over Trinity River on Old Spanish Trail; replace old structure. See Financial News.

Tex., Quanah — Hardeman County plans bridge across Red River, connecting Hardeman and Jackson County, Okla., Highway 51; $23,000 available.

Tex., Waco—City Comn., E. E. McAdams, Mgr., receives bids Feb. 5 for 6 conc. bridges: On Sixteenth St., Cumberland to Windsor; Cumberland St., Sixteenth to Seventeenth; Twenty-sixth St., at Jackson, and between Washington and Columbus; Indiana St., Seventh to Eighth; 30,504 lb. rein. steel; J. H. Strange, City Engr.

Tex., Waco—City Comn., E. E. McAdams, City Mgr., considering viaduct over Mary and Jackson St., connecting north and south Waco; plans receiving bids for 8 bridges across small creeks; J. H. Strange, Engr.

Tex., Wichita Falls—Wichita County, J. M. Isbell, County Engr., prepared plans for 288-ft. cantilever bridge over Wichita River, at Scott Ave.; four 72-ft. spans; estimated cost less than $75,000. 12-27

Va., Hopewell—War Dept., Washington, D. C., approved application of Prince George and Chesterfield Ry., subsidiary of Seaboard Air Line, W. D. Faucette, Ch. Engr., Savannah, Ga., for bridge across Appomattox River, near Hopewell, under authority of state law.

Contracts Awarded

Ala., Mobile—Mobile County Bd. of Revenue let contracts for 3 bridges and bridge approaches. See Roads, Streets, Paving.

Tex., Dallas—R. J. Estep & Co., Praterian Bldg., has contract, $9257, for Blackburn St. Bridge over Turtle Creek.

Tex., El Paso—Virginia Bridge and Iron Co., Roanoke, Va., has contract for 400 tons steel for bridge at El Paso, being built by Stone & Webster Engineering Corp., 49 Federal St., Boston, Mass.: Bridge consists of through plate girder spans, on conc. piers, 65 ft. 7⅝-in. on centers; struct. steel floor beams and stringers, supporting conc. slab, for one electric street railway track; about 6 ft. sidewalk, 17-ft. driveway.

Canning and Packing Plants

Fla., South Jacksonville — Citrus By-Products Co., Inc., 321 S. Forest Ave., leased building; will install equipment for manufacture citrus fruit jelly, fountain syrups, etc. See Want Section—Machinery and Supplies.

Fla., Tampa—Citrus Fruits Products Co., capital $100,000, incorporated; Henry H. Cole, 709 Franklin St.

N. C., Kinston—F. A. Fishbaugh, London, O, interested in organizing company; establish canning plant.

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Clayworking Plants

Ark., Malvern—Acme Brick Co., W. R. Bennett, Pres., N. P. Anderson Bldg., Fort Worth, Tex., plans expending $250,000 for improvements and additions to Perla plant; increase capacity of plant from 30,000,000 to 45,000,000 face brick yearly.

Md., Salisbury—Eastern Shore Brick Co., capital $100,000, incorporated; Charles W. Baker, Jr., New York; F. P. McBriety, Colonial Bldg., Salisbury; acquired, will remodel and improve former plant of Peninsular Brick Co.

Okla., Wewoka—Wewoka Brick & Tile Co., capital $100,000, incorporated; L. L. Sturgeon, B. D. Lack.

Tex., Bastrop—Bastrop Lignite Coal Co., F. W. Denison, Pres., plans establishing brick and tile manufacturing plant.

Tex., Sulphur Springs—Thermo Fire Brick Co., capital $20,000, incorporated; Cleo Watts, P. L. Horton.

Va., Covington—Covington Brick Co., capital $50,000, incorporated; S. A. Hudlow.

Coal Mines and Coke Ovens

Ala., Yolande—Yolande Coal & Coke Co., Brown-Marx Bldg., Birmingham, increased capital stock 50 to 485 shares; will increase capacity of mines.

Ky., Whitesburg — Following properties reported, will merge: Carol Robinson mines; No. 4 Superior Coal Co.; Happy Coal Co.; Trace Fork Mining Co., both Lexington, Ky.; 2 mines on Carr's Fork branch railroad mines of Rockhouse Coal Co., Lexington, Ky., and Marion mines on Rockhouse branch out from Blackey; large mines of Wakenva Coal Co., Johnson City, Tenn., having mines also in Virginia and Tennessee; large mines of Consolidated Fuel Co., Chamber of Commerce Bldg., Pittsburgh, Pa., at Elsiecoal and near Blackey; properties included in proposed merger worth approx. $30,000,000; plan installing modern machinery in all plants and to reduce cost of mining to minimum.

West Virginia—Hunter Bennett, Weston, acquired approx. 32,000 acres of farm and mineral lands in central West Virginia, in Lewis, Braxton, Gilmer and Calhoun Counties; much of land in coal, oil or gas territory.

W. Va., Clarksburg—Long Ridge Coal Co., capital $25,000, incorporated; Austin C. McIntyre, 110 Barbour St.

W. Va., Crumpler—United Pocahontas Coal Co., Worth Kilpatrick, Pres., Connellsville, Pa., erect $200,000 tipple; all-steel; also erect coal dry cleaning plant and Menjes washer; plan immediate construction.

Concrete and Cement Plants

Ala., Birmingham — International Cement Corp., New York, changing name of following domestic subsidiaries in South: Alabama Portland Cement Co. to Lone Star Cement Co. of Alabama, Birmingham; Kansas Portland Cement Co. to Lone Star Cement Co. of Kansas, Kansas City, Mo.; Louisiana Portland Cement Co. to Lone Star Cement Co. of Louisiana, New Orleans; Texas Portland Cement Co. to Lone Star Cement Co. of Texas, (Dallas and Houston); Virginia Portland Cement Corp. to Lone Star Cement Co. of Virginia, Inc., Norfolk; all subsidiaries manufacture and sell products known as Lone Star cement.

Tenn., Knoxville—Volunteer Portland Cement Co., Charles Lewis, Mgr., reported, plans third unit during 1929; unit consisting of kiln and accompanying equipment to cost more than $500,000.

Tex., Dallas—Trinity Portland Cement Co. expending $50,000 in doubling capacity of plant; purchased raw and finished materials grinding mills from Traylor Engineering and Manufacturing Co., Allentown, Pa.; kiln from Reeves Bros. Co., Alliance, Ohio, and motors and motor controls from General Electric Co., Schenectady, N. Y.; company's Engineering Dept., O. V. Bartholomew, to be in charge of all construction work and machinery installation.

Cotton Compresses and Gins

Ark., Beebe—Bill Short, Butlerville, and associates, construct $15,000 cotton gin at Antioch, near here.

Ark., Greenbrier—J. W. and C. L. Thompson plan rebuilding burned gin.

La., Monroe—Standard Gin and Manufacturing Co., J. T. Austin, Pres., Pine St., install $35,000 equipment in West Monroe and Monroe.

La., Oakdale—T. J. Williams will rebuild burned gin.

Okla., Jester—Farmers Union Co-Operative Gin, capital $25,000, incorporated; R. H. Leonard, Hugh Poole.

Cottonseed-Oil Mills

Ark., Helena—Blanton Co., 318 S. Second St., St. Louis, Mo., owners of Helena Cotton Oil Mill, reported, erect cotton refinery and cotton oil products manufacturing plant.

Drainage, Dredging and Irrigation

Maryland—U. S. Engr. Office, 300 Custom House, Baltimore, Md., let contract to Lewis Dredging Co., Norfolk, Va., for dredging in Wicomico River at $21,526.

Tex., La Feria—La Feria Water Control and Improvement Dist., Cameron County, probably vote soon on $1,600,000 improvement bonds.

Tex., Port Arthur—William Greig, R. B. Gillett and Arthur McFarland, U. S. Engrs., preparing specifications for improvement work on Port Arthur ship channel, involving expenditure of approx. $500,000, as part of expansion program planned by government appropriation of $1,100,000; first work to be done is widening of channel 2000 ft. below old bridge site and just below old salt water locks; each location to be dredged for 2000 ft. to provide passing basins.

Tex., Raymondville—Willacy County Water Control and Improvement Dist. No. 1 voted $7,500,000 bonds; flood waters to be stored in large reservoirs on tract. 1-3

W. Va., Moundsville — City Engr., J. J. Sammons, let contract to J. A. Wilhelm Co., Elm Grove, for dredging Parrs Run, from Cypress to Elm Ave.; water course to be dredged to depth of 3 ft. at Cypress Ave. and 5 ft. at Elm Ave., with average width of 10 ft.; sand taken out to be used to make necessary fills about city.

Electric Light and Power.

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Birmingham—See Roads, Streets, Paving.

Ala., Mobile—Ingalls Iron Works Co., 720 Ave. D, Birmingham, has contract for 600 tons fabricated struct. steel for power plant for Southeastern Production Co. 11-29

Ala., Ramer—Ramer Industrial Club negotiating with Alabama Power Co., Birmingham, for extension of power line.

Ark., Brinkley—Arkansas Power & Light Co., H. C. Couch, Pres., Pine Bluff, reported, plans repairs to distribution system and power plant improvements.

Ark., Hot Springs—Arkansas Power and Light Co., H. C. Couch, Pres., Pine Bluff, started construction of hydro-electric project on Ouachita River, to be completed in 1931; will generate 53,333 h. p.; create lake 24 miles long, contain 10,000 acres; dam will be known as Carpenter Dam and with additional transmission lines and other equipment will cost $7,000,000; line will be constructed to Remmel Dam about 12 miles southwest of Hot Springs, which will tie in with the system; C. S. Lynch, Ch. Engr. of company, will supervise construction; 4 miles of railroad will be constructed from damsite to connection with Missouri Pacific R. R.; probably install stone crushing plant to furnish part of materials. 1-17
1-17

D. C., Washington—Potomac Electric Power Co., 231 Fourteenth St., N. W., Wm. F. Ham, Pres., plans expending $4,176,250 in 1929; $2,000,000 to be used for completing addition to Benning power plant, including new 30,000 kw., 60 cycle, turbo-generator, increasing plant capacity to 173,000 kw.; balance will be used for acquisition of land for new substations, substation buildings, and equipment; additions to street lighting equipment, etc.

Fla., Winter Garden—Florida Public Service Co., Orlando, reported negotiating for city light and power plant.

Ga., Brunswick—Georgia Power Co., Atlanta, advises no extensive expansions or additions contemplated at the present time to electric and gas properties lately acquired from Mutual Light & Water Co.; will be operated under Georgia Power Co.'s organization. 1-17

Ga., Dalton — Graybar Electric Co., 401 Hudson St., has contract for c. i. posts for white way system on Hamilton St.

La., Oakdale—Glenn Randolph, Lafayette, representing outside capitalists, interested in power and ice plant on Sixth Ave.

Miss., Natchez — Southwestern Gas and Electric Co., Shreveport, La., receives bids soon for 1 story, brick and tile addition to power house; John M. Marriott, Archt., Frost Bldg., San Antonio.

Miss., Senatobia—See Roads, Streets, Paving.

Mo., Columbia—City, W. J. Hetzler, Mayor, reported, approved plans for transmission line between Columbia and Ashland.

N. C., Gastonia—Southern Public Utilities Co., Charlotte, reported, acquired franchise and property of Gaston Power and Light Co.

N. C., Mooresville—Southern Public Utilities Co., Charlotte, acquired electric light plant and franchise, subject to ratification by people on March 5. 7-12

N. C., Williamston—Virginia Electric and Power Co., Richmond, Va., reported, having survey made for rebuilding light and power distribution system; T. W. Gates and Colon Parker, Roanoke Rapids, in charge.

S. C., Barnwell—City voted to sell light plant to South Carolina Power Co., Charleston. 12-27

Tennessee—Holston River Power Co., 52 Wall St., New York, will have hearing on Feb. 4 before Tennessee Railroad and Public Utilities Comsn., Nashville, on application to construct 3 dams on Holston River; hearing will be held jointly with Federal Power Comsn., Washington. 1-10

Tennessee—Tennessee Eastern Electric Co., Chattanooga, will have hearing before Tennessee Railroad and Public Utilities Comsn., Nashville, on Feb. 4 on application to construct dam on south fork of Holston River. 1-10

Tenn., Maryville—City plans $200,000 bond issue for electric light system.

Texas—Texas-Louisiana Power Co., Fort Worth Club Bldg., Fort Worth, reported, acquired plants of Inland Utility Co. in Texas and Oklahoma Panhandle, including central power generating plants at Perryton, and Guymon, Okla.; local plant at Higgins, Tex., distribution systems at Darrouzett, Follett, Spearman, and Goodwell.

Tex., Eagle Pass—Maverick County Water Improvement District No. 1 votes Feb. 8 on issuing $1,800,000 bonds for construction of hydro-electric plant in connection with irrigation project. 1-17

Tex., Galveston—N. E. Leopold, 1323 25th S.t; Clark W. Thompson, 22nd and E Sts., interested in installation of white way system on Market St.

Tex., Houston — Houston Lighting and Power Co., expend $6,000,000 in 1929 on improvements, install $2,544,000 turbine at Deepwater plant, produce 50,000 kw. an hour; new substations; substations and transmission transformation; communication system; improvement of distribution system; improvements to power stations, etc.; will also construct substation at Bellaire.

Tex., Jacksonville—Gulf Public Service Co. of East Texas, New Iberia, La., reported, expend $300,000 during 1929 for improvements and extensions; install 2500 kv-a turbine and 500 hp. boiler; extend power line to Alto from Jacksonville and Rusk; erect drive-in ice station on Rusk St.

Tex., LaPorte—City plans installing white way system on Main St., from Broadway to Fourth St.

Tex., Port Arthur—Gulf States Utilities Co., Beaumont, improve lighting system.

Va., Tazewell—Appalachian Electric Power Co., Bluefield, W. Va., reported, supply electric current to Tazewell and North Tazewell through Tazewell Electric Light and Power Co.'s system.

Fertilizer Plants

Tex., Houston—City, C. L. Fugate, Asst. City Engr., in charge of Sanitary and Drainage Constr., plans constructing additional units at North Side sewage disposal plant, increasing capacity to 4500 tons fertilizer yearly.

Flour, Feed and Meal Mills

Mo., North Kansas City—Kansas Flour Mills Corp., New York Life Bldg., Kansas City, let contract to Industrial Engineering Co., Kansas City Life Bldg., Kansas City, for addition of 1,500,000 bu. storage at North Kansas City, consisting of 36 tanks ranging 3 rows wide by 12 long, 95 ft. high; 24 interstices; work to be completed June 15.

Okla., Enid—Pillsbury Flour Mills, Minneapolis, Minn., let contract to Jones-Hettelsater Construction Co., 708 Mutual Bldg., Kansas City, Mo., and Enid, for elevator addition, consisting of 52 additional tanks, approximately 1,000,000 bu. capacity.

Okla., Enid—Edwin Ahlskog, 407 S. Dearborn St., Chicago, Ill., has contract for 2,000,000 bu. elevator for General Mills, Inc., James F. Bell, Pres., Minneapolis, Minn. 12-13

Tex., Colorado—Colorado Feed Milling Co. incorporated; C. C. Thompson, Fred Brown.

Foundry and Machine Plants

Ala., Bessemer—Pullman Car and Manufacturing Corp., Chicago, Ill., reported, will build its Southern car works on 100-acre site now occupied by blast furnaces No. 1 and 2 of Tennessee Coal, Iron and Railroad Co.; includes building 1,200 ft. long and another of approx. same length, with 60 to 80 ft. aisles; reported, will later move machinery here from works at Fairfield and install other equipment; plant to employ 1,800 and produce 30 to 35 cars daily. (See Fairfield, Ala. 12-20)

Ark., Fort Smith—Van Pipe Setting Machine Co. of Fort Worth, capital $100,000, incorporated; Henry Van Hooydonk, L. A. Bertrand.

Ark., Stuttgart—Fairbanks, Morse & Co., S. T. Kidoo, V.-Pres., Chicago, reported, acquired Starley White machine shops; will manufacture pumps and well equipment.

Mo., St. Louis—J. B. Klein Iron and Foundry Co., 1006 W. Second St., erect $65,000 machine shop and foundry; 1-story; C. J. Tieband, Archt., both Oklahoma City, Okla.

Mo., St. Louis—Pecco Co., 2951 N. Market St., maker of industrial furnaces, changed name to St. Louis Blow Pipe and Heater Co., Inc.

Tenn., Chattanooga—Chamber of Commerce completed negotiations for organization of Southern Textile Machine Works; erect industrial building in East Lake; 70x40 ft.; employ 25.

Tex., Houston—Reed Roller Bit Co., Mack and Ave. Q, acquired Barrett-Robinshaw Co., Beaumont, inventor and patentee of new type of combination drilling and coring bit; purchasing company plans removal of entire factory to Houston at early date.

Gas and Oil Enterprises

Ala., Anniston—Mine and Your Oil Co. incorporated; R. E. Bailey, Harvey Emerson.

Ala., Fayetteville—Alabama Oil Co. incorporated; B. E. Holman, Fayetteville; C. W. Taylor, Decatur.

Ark., Horatio — Arkansas Utilities Corp. granted 25 year gas franchise.

Ark., Monticello — Arkansas Natural Gas Corp., El Dorado, granted natural gas franchise. 1-10

Kentucky—Ohio Kentucky Gas Co., H. G. Scott, Pres., 46 Cedar St., New York, offering $1,500,000 first mortgage 6½% sinking fund gold bonds, Series 9, with stock purchase warrants, through P. W. Chapman & Co., Inc., New York; C. T. Williams & Co., Inc., and J. A. Iglehart & Co., both Baltimore; company will be operated by Union Management and Engineering Corp., a wholly owned subsidiary of Union Utilities, Inc.; the Union Management and Engineering Corp. directs the operations of Texas Cities Gas Co., Council Bluffs Gas Co., Guthrie Gas Co., Memphis Natural Gas Co. and Ohio Valley Gas Corp.; company incorporated under laws of West Virginia owns producing gas wells in Boyd County, Ky., and controls through lease the gas and oil rights in approximately 45,000 acres land in Boyd, Greenup and Lawrence counties, Ky., Wayne County, W. Va., and Lawrence and Sioto counties, O.; financing will provide funds for drilling additional wells and for gathering lines and pipe lines connecting with Columbia Gas & Electric Corp. system; United Fuel Gas Co., subsidiary of Columbia Gas & Electric Corp., has contracted to purchase all gas produced from approximately 15,000 acres.

Ky., Ashland—Ashland Refining Co. will make immediate repairs to burned plant; reported, later plan $250,000 expansion program.

La., Bastrop—Gulf Refining Co., Port Arthur, Tex., reported, construct plant on Missouri Pacific tracks.

La., Bastrop—Morris Oil Co., Inc., chartered; S. R. and R. W. Morris.

La., Shreveport—Southwestern Drilling Co., Inc., 920 Giddens-Lane Bldg., capital $10,000, incorporated; L. C. Tharpe, Isaac Abramson.

La., Shreveport—A. E. Stilliger, New York, Pres., Eureka Oil and Gas Co., reported, expend $1,000,000 for development gas industry.

Md., Baltimore—Tidewater Oil Sales Corp. erect 1 story building and tanks, 6000 Pennington Ave.; $200,000; owner builder. 9-6

Miss., Yazoo City—Southern Natural Gas Corp., Watts Bldg., Birmingham, Ala., has gas franchise; install gas system.

Mo., Kansas City—Lockton Oil Co., capital $100,000, incorporated; R. L. Kidner, 1324 W. 12th St.

Mo., Poplar Bluff—Missouri Natural Gas Co., Dubuque, Iowa, applied to Public Service Comn., Jefferson City, for permission to erect and operate water gas plant.

Oklahoma—Apache Gas Co., Oklahoma City, acquired natural gas distributing systems, serving Perry and Lovell.

Okla., Bartlesville—The Empire Companies advise regarding oil line from Cimarron station to Oklahoma City, work recently started on line which will extend from Cimarron pump station 8 miles northeast of Guthrie to field station being erected near Oklahoma City; line will be of welded construction, 32 miles long, connecting with main crude oil pipe line system of Empire Companies; contract let to Williams Brothers, Inc., 302 S. Cheyenne St., Tulsa; field station near Oklahoma City will be built by company's engineering department, electrically operated. 1-10

Okla., Kinston—A. H. Culbertson Interests, Fort Worth, Tex., granted natural gas franchise; construction of pipe line to begin at once.

Okla., Oklahoma City — Electrol Refining Co., J. E. Rockett, reconstructing Atwood Refining Co.'s plant at Packingtown.

Oklahoma—Prairie Pipe Line Co., Independence, Kan., reported, let contract to National Tube Co., Frick Bldg., and Central Tube Co., First Natl. Bk. Bldg., both Pittsburgh, Pa., for 32,000 tons pipe for 8-in. and 12-in. pipe line from Panova, Okla., to Griffith, Ind. 1-17

Okla., Tulsa—Onaga Royalty Co. incorporated; Frank B. Long, Sand Springs.

Texas — Phillips Petroleum Co., Bartlesville, Okla., plans building small gasoline refinery in Jones County, Noodle Creek oil field; compression plant of small capacity, materials to be moved from other places; in operation in 60 days.

Tex., Brownwood—Thomas B. Longre, Pres. of Brown County Gas Co., reported, interested in organizing company to install 10-in. gas line from Brownwood and Coleman County fields to Waco; secured franchises in Mullin, Zephyr, Goldwaithe, Lometa, San Saba, Lampasas and Hamilton; expend $2,000,000.

Tex., Del Rio—J. D. Wrather, Pres., Amarillo Refining Co., Amarillo, and T. R. Crowell, Jr., San Angelo, financing construction of refinery; work to begin at once; T. R. Crowell, Jr., Charge of Construction. 12-6

Tex., Galveston—E. H. Ivey, Commr. of Streets and Public Property, advocated voting on $500,000 bonds for gas plant.

Tex., Raymondville—Humble Oil Co., Houston, will erect 40-ft. steel tank, warehouse and office building, 20x30-ft., and loading platforms; Scott Lumber Co. and George W. Commins, Contrs.

Tex., Neches—Humble Oil & Refining Co., Honston, reported, surveying for loading station.

Tex., Vernon—Northwest Texas Gas Co., capital $50,000, incorporated; W. R. Stinnett, T. A. Hardison.

Tex., Wichita Falls—Archer Refining Co. incorporated; G. G. Golden, City Natl. Bank Bldg.

Tex., Wichita Falls—Nennex Oil Co., capital $500,000, incorporated; J. E. Childers, 2104 Tenth St.

Va., Richmond—Glamorgan Pipe and Foundry Co., Lynchburg, has contract for 4 and 12-in. gas and water pipe.

W. Va., Charleston—Allegheny Gas Corp., Union Trust Bldg., offering through Furlaud & Co., Inc., 52 Wall St., New York, $1,800,000 first mortgage and collateral 6½% gold bonds (closed mortgage), with stock purchase warrants; company and its subsidiary will own and operate properties which are now producing, transporting and distributing natural gas in Ohio and West Virginia; company and its subsidiary will own 147 gas wells and over 100 miles of pipe lines, including gathering lines, and will own through lease gas rights in approximately 37,000 acres land in gas producing territories of Lincoln and Kanawha Counties, West Virginia, and Knox County, O.; proceeds to be used in connection with acquisition of properties and to provide cash for developments, extensions and other corporate purposes. 12-27

W. Va., Salem—Sedalia Gas Co., capital $25,000, incorporated; Edward M. Nelson, Wm. M. Moses.

W. Va., Salem—Indian Run Gas Co., incorporated; Claude C. Cottrill, D. E. Ritter, Bristol, Va.

Ice and Cold-Storage Plants

D. C., Washington — American Ice Co., Charles C. Small, Pres., headquarters 41 E. 42nd St., New York City, acquired Home Ice Co.

Fla., Ocala—Florida West Coast Ice Co., Second Ave. and Tenth St., St. Petersburg, erect 75-ton capacity ice plant, Osceola and May St.; install facilities for icing cars of perishable fruits and vegetables; install cold storage plant for fresh and salt meats; work to begin soon.

Fla., Winter Garden—Florida Public Service Co., Orlando, erect railroad icing station.

La., New Orleans—Superior Pure Ice Co., Inc., capital $300,000, chartered; Gustave H. Rathe, 540 N. Carrollton Ave.

La., Oakadle — See Electric Light and Power.

La., Tallulah—Tallulah Ice & Cold Storage Co., capital $200,000, incorporated; Maxwell Yerger, George Williamson.

Md., Bethesda (Br. Washington, D. C.)—American Ice Co., Charles C. Small, Pres., headquarters 41 E. 42nd St., New York City, acquired Suburban Ice Co.

N. C., Louisburg—Englor Ice Co., Edward A. Englor, changed name to Quality Ice Co.

Okla., Claremore—Southwest Utility Ice Co., World Bldg., Tulsa, acquired Peoples Ice & Cold Storage Co.

Okla., Konawa—E. W. Baker & Co., Perrine Bldg., Oklahoma City, having preliminary plans prepared for 10-ton raw water ice plant to cost $25,000; private plans.

Okla., Maud—Trades Finance Corp. having plans prepared for 20-ton ice plant to cost $30,000.

S. C., Greenville—H. & G. Refrigeration Co., capital $20,000, incorporated; DuPont Guerry, Jr., Clarendon Ave.

Tenn., Martin—Kentucky-Tennessee Light and Power Co., Bowling Green, Ky., acquired Martin Ice and Coal Co.; immediately begin improvements; put down deep well with motor-driven pump; plant now has 20-ton capacity; enlarge to 50-ton.

Tenn., Memphis — York Ice Machinery Corp., Atlanta, Ga., to furnish equipment for ice plant to be erected by Kaye Ice Co., Box 750, Atlanta, Ga.; Ferguson Construction Co., 1018 Dermon Bldg., has general contract. 1-17

Tex., Baytown — American Service Co., Pioneer Tr. Bldg., Kansas City, Mo., B. R. Wood, erect ice plant; 1 story, 20-ton capacity, brick, conc.; cost $35,000; owner builds; private plans.

Tex., Brady—Spiller Grain and Cold Storage Co. establish 9-ton ice plant; machinery expected to arrive Feb. 15, operations to begin April 15.

Tex., Houston—American Service Co., Pioneer Tr. Bldg., Kansas City, Mo., issuing 100,000 shares common stock, no par value, through A. B. Leach & Co., Inc., New York, and Paul H. Davis & Co., Chicago, Ill.; company owns and operates ice utility properties in South at Houston, Galveston, Beaumont, San Antonio and Fort Worth, Shreveport and Monroe, La.; Montgomery, Ala.; Joplin, Mo.; Hot Springs, Ark.; Chattanooga, Nashville and Knoxville, Tenn.; Atlanta, Ga.; Asheville and Concord, N. C., and other cities.

Tex., Jacksonville—See Electric Light and Power.

Tex., Levelland—R. L. Lea plans erecting $35,000 ice plant.

Tex., San Juan—J. E. Morgan and J. O. Frizzell erect $75,000 cold storage plant.

Tex., Wichita Falls—Crescent Ice Co., capital $20,000, incorporated; R. P. Jones, 1648 Elizabeth St.

Va., Richmond — Pennsylvania Gas and Electric Corp., R. P. Stevens, Pres., Wilmington, Del., affiliated with American Electric Power Corp., Dover, Del., reported, negotiating to acquire interest in Merchants Cold Storage and Ice Manufacturing Co., 208 S. Sixth St., with plant at Sixth and Canal St.

Va., Winchester—Winchester Cold Storage Co. erect additional unit to cold storage plant to have capacity of 150,000 bbls. of apples; 6 or 7-story, 140x160 ft.; begin construction immediately; Van Rensallear Green, Archt. and Engr., 2 Lafayette St., New York.

XUM

Iron and Steel Plants

Ala., Birmingham — Stockholders of Gulf States Steel Co., W. H. Coverdale, Pres., vote Feb. 25 on proposal to change par value of common stock, $100 to no par, and to increase authorized number from 125,000 to 300,000 shares.

Mo., St. Joseph — St. Joseph Structural Steel Co. expand plant to increase size by 75%; program includes 4 new brick and steel buildings to be 40x100 ft.; 20x100 ft.; 55x100 ft., and 40x77 ft.; add 20,630 sq. ft. to floor space of plant; will employ 100 men when working at full capacity.

W. Va., Weirton—Weirton Steel Co. announces preparation of plans for addition to blast furnace and by-product ovens; with completion of these units company will have total monthly production of approx. 70,000 tons of each, pig-iron and furnace coke; these and other contemplated improvements to cost approx. $10,000,000 and actual construction will begin as soon as detailed plans are completed; plans by Engineering Dept., C. H. Hunt, Ch. Engr.

Land Development

Ala., Gadsden—Chesterfield Land Co. incorporated; Hunter Watkins, Gadsden; Geo. G. Menefee, Birmingham; develop 100 acres in East Gadsden.

Fla., Avon Park — Roberts Florida Co., capital $15,000, incorporated; S. E. and E. M. Roberts.

Fla., Deerfield—Butler Farms, Inc., capital $50,000, chartered; J. D. and A. W. Butler.

Fla., Haines City—Paul H. Smith, Inc., chartered; P. H. Smith, A. E. McLaughlin.

Fla., Indian River City—B. H. W. Grove Co., Inc., chartered; C. T. Hathaway, F. J. Warrell.

Fla., Miami—Regina Corp., incorporated; P. D. McGarry, Huntington Bldg.

Fla., Miami — Rand-Florida Co., incorporated; F. H. Rand, Jr., 412 N. E. 22nd St.

Fla., St. Petersburg—International Realty Associates, Inc., N. J. Upham, Pres., Duluth, Minn., and Shore Acres, St. Petersburg, develop 400 acres facing Gulf of Mexico south of Blind Pass on Long Key for subdivision; develop harbor for boats; lay curbs, streets, sidewalks on 11 streets; install water works system.

Fla., Tampa—James S. Simmons, Inc., chartered; J. R. Walsh, 305 Morgan St.

Fla., Titusville—Indian River Celery Co., incorporated; Lawrence Rogers, Irma Holzman.

Ga., Savannah—W. J. B. Adams Co., incorporated; Wm. N. Adams, 53 Kinzie Ave.

Ky., Louisville—Overbrook Land Co., capital $25,000, incorporated; Wm. L. Hoge, 1319 Willow St.

Ky., Louisville—Thompson Place Land Co., capital $25,000, incorporated; R. W. Marlowe, 1643 Jaeger St.

Ky., Williamstown—Williamstown Realty Co., incorporated; Ernest Chipman, N. E. Carter.

La., Lake Charles—Southern States Realty Co., Inc., Interstate Bldg., New Orleans, acquired 2200 acres on north side Calcasieu ship channel.

La., New Orleans—Louisiana Fur Farms, Inc., chartered; Sam George, 5322 Dryades St.

Md., Baltimore—Neilson, Inc., 110 E Lexington St., incorporated; Harvey C. Bickel, S. C. Neilson.

Md., Federalsburg—Town Commrs. develop 18 acres on Federal Hill between Reliance and Liberty Aves. for park.

Miss., Clarksdale—H. H. Hopson, Jr., acquired 1040 acres east of Lyons.

Mo., Columbia—Calvary Cemetery Co., incorporated; Alex L. Hicks, Columbia; Vivien E. Gardner, Buffalo, N. Y.

Mo., Jefferson City—City plans developing 12 acres for community park and playground.

Mo., St. Louis—De-Roy Scott Realty Co. incorporated; Wm. M. Lawler, 7 N. Seventh St.

Mo., St. Louis—Deer Creek Realty Co. incorporated; Allen T. West, Litzsinger Rd.

Mo., St. Louis—Missouri Farms Corp. incorporated; Louis J. Silberman, 5350 Cabanne St.

N. C., Charlotte—Fairmont Realty Corp. incorporated; F. Gordon Cobb, Lancaster, S. C.; F. E. Harlan, 114 Latta Arcade, Charlotte.

Tenn., Alton Park, Sta. Chattanooga—See Sewer Construction.

Tex., Harlingen — City plans developing Arroyo Country Club property of 222 acres for park.

Tex., Houston—Post Oak Holding Co., Inc., capital $20,000, chartered; J. L. Jones, Cotton Exch. Bldg.

Tex., Houston—Main Street Development Co., N. B. Knight, Binz Bldg., develop Mainview on Main Blvd.

Va., Belle Haven—Occohonnock Cemetery Co. incorporated; S. S. Kellam.

Va., Norfolk—Bayside Corp., capital $25,000, incorporated; C. C. Frizzell, Lynhaven.

Va., Norfolk—Linkorey Realty Corp., capital $25,000, incorporated; John E. Corey, 444 Virginia Ave., Norfolk.

Va., Richmond—River Holding Corp. incorporated; Kenneth Chorley, 61 Broadway, New York.

Va., Roanoke — Woodlawn Farms, Inc., chartered; V. M. Wood, 511 Greenwood Road, Raleigh Court.

Va., Waynesboro — T. J. Collins & Son, Landscape Archts., Staunton, receives bids Jan. 29 for grading, roads, water mains, etc., for Blue Ridge Court Development. See Want Section—Bids Asked.

W. Va., Charleston—Emerson Co., incorporated; Orville Hackney, Frankenberger Bldg.

Lumber Enterprises

Ala., Mobile—S. B. Adams Lumber Co. immediately rebuild burned dry kilns and storage sheds.

Fla., Jacksonville—Gulf Red Cypress Co., Barnett Bldg., increasing capital stock to $100,000.

Ga., Gainesville—Caord Lumber Co., St. Augustine, Fla., acquired yard of Hamilton-Boring Lumber Co. and will operate as independent unit under name of Builders' Service, Inc.

Ga., Savannah—American Timber and Export Co., incorporated; R. K. Walker, R. A. Sharp, 301 E. Jones St.

Ga., Sylvester—J. M. Willis, Ocilla, acquired saw timber of T. C. Jeffords interest south of Atlantic Coast Line Railroad and tracts in eastern section of county, owned by H. L. Land and Cravey estate; deal involves approx. 20,000,000 bd. ft.; immediately begin sawing timber with small mills and establish planing mill here.

Ga., Winder—New Winder Lumber Co., Roy Jackson, contemplates erecting additions to present plant and to erect store building; brick walls, comp. roof; total cost $25,000.

Ky., Pikeville—Pike Hardwood Lumber Co. acquired several thousand acres of hardwood timberlands in eastern Pike County, along Blackberry Creek; open property for development in spring; install two mills.

Miss., Pelahatchie — Pelahatchie Lumber Co. rebuild burned planing mill.

Miss., Pickens—T. L. Shannon & Co., Inc., plan constructing hardwood mill, daily capacity of 30,000 ft. and employ 150; utilize 6000-acre timber tract.

Tenn., Chattanooga—W. C. Slagle acquired Hamilton County Lumber Co., Greenwood Ave. in Hiland Park, including real estate, mill, equipment and business; company incorporated with W. C. Slagle, President, capital $150,000; plans enlarging facilities of company.

Tenn., Jackson—City Lumber Co. increasing capital, $30,000 to $150,000; enlarging yard facilities.

Va., Bastian—Virginia Hardwood Lumber Co., Inc., issuing $750,000 first mortgage 6% sinking fund gold bonds, through Baker, Fentress & Co., 208 S. LaSalle St., Chicago, Ill., and E. H. Pearl ,MacBain Bldg., Roanoke, Va.; company engaged in manufacture and sale of hardwood lumber, plant located at Bastian.

Va., Norfolk—L. A. Daugherty & Co., Inc., capital $50,000, chartered; H. W. Phillips, Medical Arts Bldg.

Va., Richmond—Floorcrafters, Inc., chartered; Collins Denny, Jr., Travelers Bldg.; manufacture and deal in all kinds of lumber.

Mining

Fla., Brewster — American Cyanamid Co., 535 Fifth Ave., New York, K. F. Cooper, V.-Pres., acquired 500 acres of high grade pebble phosphate land in Hillsboro County, near Plant City; plan to begin mining operations on property during present year; shipping wet rock to Brewster plant for drying and shipping; property to be operated by Amalgamated Phosphate Co., with existing organization now operating Brewster and Green Bay mines; purchase Bucyrus or Marion drag line.

Fla., Tampa—American Cyanamid Co., K. F. Cooper, V.-Pres., 535 Fifth Ave., New York, reported, acquired site along Tampa harbor and will eventually erect $1,500,000 plant for manufacture of phosphoric acid; tentative plans call for beginning production of phosphoric acid within 9 months, to employ 200 men at beginning; company advises have several locations in view and hope to locate at Tampa, but announcement now would be premature before survey completed and decision reached.

North Carolina — Consolidated Feldspar Corp., formed under laws of Delaware, with assets of over $8,000,000, by merger of Erwin Feldspar Co., Spruce Pine, N. C., and Erwin, Tenn.; Norman G. Smith Co., Spruce Pine, N. C.; Golding Sons Co., Trenton, N. J.; Dominion Feldspar Corp., Canada and New York; Maine Feldspar Co., Brunswick, Maine; Isco-Bautz Co., Inc., Murphysboro, Ill.; Feldspar Quarries Co., Ltd., of Canada, and other companies in various parts of the country in process of being taken over; capitalization of new corporation is $5,000,000, consisting of 50,000 shares of $7 cumulative preferred stock without par value and 300,000 shares of common stock without par value; A. J. Fink, Chmn. of Bd., Southern Hotel Bldg., Baltimore, Md.

N. C., Andrews—Carolina Marble Products Co., J. A. Martin, will quarry marble in 3 colors, blue, white and gray, also crush terrazzo chips and stucco-dash; plan erecting saw plants for exteior and interior building stone and for monumental stone. 1-3

Miscellaneous Construction

Fla., Fort Pierce—Fort Pierce Port Corp., C. E. Cohow, Pres., let contract to Cohow Construction Co. for dock; 60x500 ft.; 5 warehouses, 35x60 ft., wood floors; cost $30,000.

Ky., Fort Thomas—Bd. of Council receives bids Jan. 25 for incinerator. See Want Section—Bids Asked.

Mo., Berger—U. S. Engr. Office, Kansas City, receives bids Feb. 8 for pile clump dikes in Missouri River at Bernheimer Reach, about 4 mi. from here. See Want Section—Bids Asked.

Mo., Brunswick—U. S. Engr. Office, Kansas City, receives bids Feb. 6 for constructing pile clump dikes in Missouri River at Brunswick Bend about 2 mi. from here. See Want Section—Bids Asked.

Mo., De Witt—U. S. Engr. Office, Kansas City, receives bids Feb. 12 for pile clump dikes in Missouri River at Miami Bend, about 2 mi. from here. See Want Section—Bids Asked.

Tex., Houston — Peabody, Houghteling & Co., Chicago, and Paul & Co., Philadelphia, will issue $800,000 of 10-year 6½% secured sinking fund gold debentures and $2,850,000 first mortgage 6½% sinking gold bonds, series A (each with stock purchase privilege) of Merchants and Manufacturers Building, a Texas corporation; proceeds to be used for erection of $6,000,000 rail and water terminal here, to be known as Merchants and Manufacturers Building; to be located on Main St. between Missouri-Kansas-Texas Railroad tracks and Southern Pacific; to be used for warehousing, light manufacturing, displaying samples retail business and shipping; floor space to be 476,211 sq. ft. 11-29

Tex., San Antonio—City plans establishing $100,000 incinerator, S. Brazos and Tampico St.; 100-ton daily capacity.

W. Va., Charleston—Chesapeake & Ohio Ry. Co. See Buildings Proposed—Railway Stations, Sheds, Etc.

Miscellaneous Enterprises

Alabama—International Paper Co., 100 E. 42d St., New York City, reported, acquired 30,000 acres of land in Baldwin County; plan reforestation.

Ala., Tuscaloosa—Chamber of Commerce, W. C. McClure, interested in establishing milk condensary.

Ark., Little Rock—Southwest Chemical Co., 1315 W. Seventh St., capital $25,000, incorporated; Oscar L. McNair, Harvey Combs.

Ark., Pine Bluff—Spears Bros. completed arrangements to establish $50,000 dairy plant at Hill Acres, 3 mi. southwest of here, on Tamo Pike; acquired 400-acre tract.

D. C., Washington—Jos. Phillips Co., Fred A. Spicer, Pres., 10 Wholesale Row, advises start constructing sausage plant not later than June 1, 2-story, 160x125 ft.; plans and specifications drawn; Henschien and McLaren, Archt., 1637 Prairie Ave., Chicago, Ill., to have entire charge of construction of plant and purchases of all equipment. 1-17

Fla., Fort Lauderdale—General Hospital, Inc., chartered; Vera Ownes, Curtis Byrd.

Fla., Jacksonville—Air-Way Electric Appliance Corp., Toledo, Ohio, advises there is no intention of erecting plant here at present time; recently noted, establish branch plant for assembling and distributing products in Florida and South Georgia. 1-17

Fla., Live Oak—Turpentine and Rosin—Gibworth Manufacturing Co., incorporated; J. W. Gibson, M. M. Foxworth.

Fla., Tampa—See Mining.

Ga., Augusta—Harold Hall and William La Varre, 150 Nassau St., New York City, acquired Augusta Chronicle Publishing Co., Thomas J. Hamilton, Pres.

Fla., Tampa—Road Materials Corporation of Florida, capital $25,000, incorporated; G. L. Reeves, 3013 San Carlos St.

Fla., West Palm Beach—Boynton Nurseries, Inc., capital $10,000, chartered; J. D. Farish, Harvey Bldg.

La., Harvey—Southern Shell Fish Co., Inc., C. A. Greiner, Sec.-Treas., increased capital to $200,000.

La., New Orleans—Fife Bros. Health Building Clinics of America, Inc., capital $25,000, chartered; W. W. Fife, Queen and Crescent Bldg.

La., New Orleans—American Molasses Co., 111 Wall St., New York City, acquired General Alcohol Co.; purchasing company plans large expenditures for enlarging plant, and supplementing wharf space and transport facilities for importation of molasses from Cuba; plant to be under direction of Walter Trautman and Jos. E. Schdarz, New Orleans.

La., New Orleans—Louisiana Rice Packing Co., Inc., capital $15,000, chartered; Alex Hochstein, 4719 Baronne St.

La., New Orleans — Mavis Bottling Co., Walter B. Pearson, Pres., planning enlarging bottling plant.

La., New Orleans—American Commercial Alcohol Corp. issuing 43,800 shares common stock through Bauer, Pogue, Pond & Vivian and Stein Bros. & Boyce; company is a Maryland corporation and owns S. M. Mayer Co., Inc., New Orleans; American Distilling Co., Pekin, Ill.; David Berg Industrial Alcohol Co., Philadelphia, Pa.; acquisition of additional manufacturing properties is under consideration.

Md., Baltimore—Baltimore Raincoat Co., Inc., 36 S. Hanover St., chartered; David S. Gross.

Md., Baltimore—Western Electric Co., Edgar S. Bloom, Pres., 195 Broadway, New York, reported, let contract to Potts & Callahan, Knickerbocker Bldg., for grading and preparation of site for proposed telephone cable and wire manufacturing plant; H. K. Ferguson Co., Hanna Bldg., contractors for design and construction. 1-10

Md., Baltimore — Contractors — Maurice Sheehan, Inc., 630 Gutman Ave., chartered; Maurice P. Sheehan.

Md., Baltimore—Merritt-Chapman & Scott Corp., William H. Baker, Pres., New York, marine contractors and ship salvors, acquired McLean Contracting Co., Fidelity Bldg., Baltimore; company to be operated as unit of parent company, under general charge of O. B. Coblentz and Frank B. Beasman.

Md., Crystal City—The Foundation Co., 120 Liberty St., New York City, doing foundation work in connection with improvements to glass plant for Pittsburgh Plate Glass Co., H. S. Wherrett, Pres., Frick Bldg., Pittsburgh, Pa.; remainder of contracts being carried through by company's Engineering Dept.; company will build machinery and erect building. 12-20

Md., Towson—Contracting and Construction—Sucro-Soine Co., incorporated; Carl A. Soine, Hester C. Billingsley.

Mo., Kansas City—Jordan Fabric Mfg. Co., C. J. Jordan, Pres., 2920 McGee Trafficway, let contract to Wm. M. Hall, 515 Hall Bldg., for plant to manufacture automobile seat covers; 40x80 ft., brick, conc. floors, gravel roof; purchased sewing machines, tables and cutters; construction just begun. 1-17

Mo., Kansas City — Gernes Garment Co., capital $30,000, incorporated; A. B. Gernes, 6433 Washington St.

Mo., Kansas City—Bredouw Hilliard Aeromotive Corp., capital $100,000, incorporated; E. J. Balsiger, 442 W. 67th St. Terrace; Homer L. Bredouw, 3724 Walnut St.; selling and supplying fuel, oil, lubricants, engines, equipment and aircraft parts of all kinds.

Mo., Kansas City—Eaton Laboratories, Inc., 520 Lee Bldg., chartered; Elden H. Eaton, Olive Henderson.

Mo., Kansas City—Millinery—Dell W. Yemans & Co., Inc., capital $50,000, chartered; Albert W. Mischlich, 301 W. 67th St.

Mo., Mount City—Biggs Motor Oil Pump Corp., incorporated; W. R. Welghtman, Guy M. Hamm.

Mo., Nevada — Central Asphalt Products Co., capital $100,000, incorporated; J. Chas. Smith, George W. Morgan, Savonburg, Kan.

Mo., St. Louis—Hinde & Dauch Paper Co., Sandusky, Ohio, erect $75,000 plant, 5110-38 Penrose Ave.; 468x79 ft., comp roof; Otto Randolph, Inc., Bldr. and Archt., 53 W. Jackson St., Chicago, Ill.

Mo., St. Louis—Pevely Dairy Co., 100 S. Grand St., let contract to Fruin-Colnon Contracting Co., 502 Merchants-Laclede Bldg., for addition to 3-story bottling depot; cost $25,000; 61x68 ft., comp. roof; Leonard Haeger, Archt., 3844 Utah Pl.

Mo., St. Louis—Press Publishing Co., 5963 Easton St., incorporated; Arthur M. Donelly, 3955 Magnolia St.

Mo., St. Louis—National Films Publicity Corp., capital $50,000, incorporated; L. Westbrook, Edward F. Glaser.

Mo., St. Louis—Boltx Corp., capital $10,000, chartered; David S. Oakes, 340 E. Argonne Dr.; manufacture sanitary products.

Mo., St. Louis—Fuchs Appliance Co., 3607 Meramec St., capital $60,000, incorporated; Hardy Fuchs, 1520 Washington Ave.

Mo., St. Louis—Century Electric Co., 1806 Pine St., let contract to Ben Hur Erection Co., 5100 Farlin Ave., for 1-story plant unit; 240x260 ft.; cost $250,000 with equipment; company manufactures motors, fans, etc.

N. C., Albemarle—Model Cleaning and Dyeing Works, R. E. Brooks, Prop., let contract to D. A. Holbroods for building, S. Fourth St.; 2-story, 25x75 ft., brick.

N. C., Lexington—North Carolina Candy Co., J. L. Young, Pres., immediately rebuild burned plant, Third Ave., East and Railroad St.

N. C., Rocky Mount — Ledbetter's, Inc., capital $25,000, chartered; Annie P. Ledbetter, R. Thunberg; dry cleaning.

Okla., Pauls Valley—Southwestern Ice & Utilities Co. acquired Pauls Valley Creamery Co.

Okla., Tulsa—Union Life Insurance Co., capital $50,000, incorporated; O. E. Upp, Business Palace Bldg.

Okla., Tulsa—Ward Chemical Corp., capital $110,000, incorporated; W. V. Ward, 903 S. Guthrie St.

Okla., Tulsa—Hopkins Equipment Corp., capital $10,000, incorporated; L. V. Hopkins, 56 N. Wheeling St.

S. C., Gaffney—T. C. Castes, Paris Mt. Rd., Greenville, leased building, E. Frederick St.; will remodel by laying conc. floor and installing partitions; immediately establish poultry hatchery.

S. C., Greenville—Blancolit Manufacturing Co., capital $500,000, incorporated; John C. Wichmann; reported, establish plant at Camp Sevier to manufacture Blancolit, a patented process for bleaching and degumming of cotton, silks, rayon; daily output 10,000 lbs.; has leased building and acquired additional tract for possible enlargement of plant.

Tenn., Chattanooga—Thad Dorsey Leather Co., Thad Dorsey, Pres., Signal Mountain Rd., erect addition to waterproof sole leather plant in spring; 200x40 ft., conc. construction, conc. floors. 1-3

Tenn., Memphis—City Commrs. endorsed rebuilding of city asphalt plant.

Tex., Galveston—Shern Moody erect steam laundry plant; Andrew Fraser, Archt., American National Ins. Bldg. 1-3

Tex.-Ark., Texarkana — Southwest Dairy Products Co. issuing $1,500,000 ten year 6½% gold debenture bonds (with stock purchase warrants), through George M. Forman & Co., Inc., Chicago, Moore, Leonard & Lynch and E. F. Gillespie & Co., Inc., both New York; company owns and operates directly or through subsidiaries business and properties of certain outstanding companies engaged in milk, ice cream, butter and ice business in Texas, Louisiana and Arkansas; bonds together with $1,317,500 7% cumulative preferred stock and 125,127 shares of common stock to be used in connection with retirement of existing funded indebtedness of company and acquisition of property. 12-6

Tex., Dallas—Welders Supply Co., capital $25,000, incorporated; J. F. Hyman, Republic Bk. Bldg.

Tex., Elgin—Chamber of Commerce negotiating with Kraft Cheese Co., 402 Rush St., Chicago, Ill., with reference to establishing cheese plant.

Tex., El Paso—J. Lindsey Nunn, Aamrillo, and Dorrance D. Roderick, Lubbock, acquired El Paso Herald and El Paso Times, newspapers.

Tex., Fort Worth—Metzger Dairies, Inc., C. Metzger, Pres., Holmes St. Rd., Dallas, and 715 N. Fillmore St., Amarillo, establish new unit here.

Tex., Fort Worth—City Packing Co., capital $45,000, incorporated; Frank Menn, 1617 Harrington St.

Tex., Houston—Knulston Construction Co., capital $20,000, incorporated; Severine Knutson, 3301 Hamilton St.

Tex., Houston—Pearl Laundry and Cleaning Co., Inc., 4705 Main St., let contract to Lightfoot Construction Co., 3103 Main St., for $17,000 laundry plant, 4901 Montrose Blvd.

Tex., Longview—Chamber of Commerce interested in establishing milk cooling station.

Tex., Round Rock—Round Rock Cheese Co., A. H. Kaufman, Mgr., plans enlarging plant in spring and plan purchasing equipment from Damrow Bros. Co., Fond Du Lac, Wis.

Tex., Slaton—Progressive Hatchery, E. L. Hicks, let contract to M. O. Napps for hatchery building, Lynn St.; work begun. 1-3

Tex., Waco — Lone Star Ice Cream Co., capital $12,000, incorporated; F. L. Matthews, 3001 Parrott Ave.

Va., Danville—Burglar Proof Bag Co., Inc., capital $25,000, chartered; E. Forrest Scales, 733 Main St.; manufacture and sell burglar proof alarm bags and devices.

Va., Danville — H. R. McCleary, 252 S. Camilla St., Memphis, Tenn., acquired Nichols Detergent Co., O. A. Kays, Treas. and Business Mgr., including right to use trade name of company; company manufactures washing powder for laundries.

Va., Lynchburg—John H. Heald & Co., Inc., and Mead Paper Board Corp., Dayton, Ohio, erecting paper mill; foundations now complete; portion of structural steel up; will manufacture paper known as liners, to be used for making corrugated shipping containers; use semi-chemical process, chestnut chips from which the paper is made being softened by chemical cook and reduced to pulp mechanically; work being supervised by Campbell King, Constrution Engr. 10-11

Va., Virginia Beach—Plumbing and Heating—S. K. Hobeck & Son, Inc., capital $10,000, chartered; S. K. Hobeck.

Va., Winchester—Winchester Printers and Stationers, Inc., capital $50,000, chartered; T. M. Hiltzheimer.

W. Va., Beckley—Beckley Construction and Plumbing Co., capital $10,000, incorporated; M. T. Vipperman, Ira Whitlock.

Motor Bus Lines and Terminals

Ark., Russellville—Ward Shepherd and J. J. Hurst applied to Railroad Comn. for permission to operate motor bus line from Russellville to Paris via Dardanelle, Delaware, New Blaine and Subiaco, over highways No. 7 and 22.

Ga., Atlanta—Greyhound Motor Lines, Inc., J. C. Steinmetz, Local Mgr., 67 Ellis St., N. E., plans motor bus terminal; 2-story and basement, approx. 150x150 ft., rein. conc., brick, stone trim, tar and gravel roof.

Tex., Center—J. O. McDaniel, Beaumont, acquired bus line operating Center to Beaumont, by W. S. Mahan.

Motor Cars, Garages, Filling Stations

Fla., Bartow—King Buick Co., Inc., capital $25,000, chartered; B. H. King, Jr., J. P. Murdaugh, Jr.

Fla., Tampa—South Florida Hudson-Essex Sales Co., incorporated; H. C. Holmes, 826 S. Edison St.

Ga., Statesboro—Bank of Statesboro erect service station; 1-story, 57x105, brick veneer; Levy & Clarke, Archts., Blun Bldg., Savannah.

Ky., Louisville — Henry Fischer Packing Co., 1862 Mellwood Ave., erect $10,000 garage.

Ky., Russellville—Herndon Motor Co., capital $15,000, incorporated; G. C. Herndon, H. E. Kamp.

La., DeRidder—Acme Chevrolet Co., Inc., capital $16,000, chartered; C. J. Ledoux, H. G. Owen.

La., Winnsboro—Richland Gas Co. erect building, Prairie and Pine St., to include service station, storage garage, barber shop and restaurant; 120x40 ft.; cost $12,500.

Md., Bethesda (Br. Washington, D. C.)—Northwest Motor Co., 6720 Wisconsin Ave., incorporated; Walter S. Ritter, Robert L. Koons.

Mo., Kansas City—Carl A. Burton Stations, Inc., capital $75,000, chartered; Carl A. Burton, Westport Rd. and Broadway.

Mo., Kansas City—Schwartzmann Service Co., Inc., 301 Geyer Ave., erect garage; 1-story, brick; E. E. Christopher, Archt., Louderman Bldg., 317 N. 11th St.; preparing plans.

Mo., Springfield — Texas Co., 17 Battery Place, New York, acquired sites, Kimbrough Ave. and Elm St.; Pickwick Ave. and Elm

St.; N. Grant Ave. and Division St.; erect 3 service stations.

N. C., Asheville — Thomas Cadillac, Inc., capital $100,000, chartered; G. C. Thomas, Charlotte; Charles E. Kistler, Morganton.

N. C., Wilmington—Tire and Vulcanizing Co., capital $50,000, incorporated; J. P. Brinson, 130 Market St.

N. C., Winston-Salem—Clarence T. Leinbach, 426 S. Main St., erect sales and service garage, N. Main St., to be occupied by Wachovia Motor Co., Studebaker dealers; 2-story, 60x200x70 ft.; receives bids in few days; Northup & O'Brien, Archts., Starbuck Bldg.

S. C., Hartsville—Palmetto Chevrolet, Inc., capital $20,000, chartered; James B. Kilgo, Mrs. Nettie Dickson.

S. C., Laurens—Smith Tire Co., incorporated; A. C. Todd, O. Sitgreaves.

Tenn., Knoxville—C. Neil Bass, 1905 Acklen Ave., Nashville, and Knoxville, and Everett M. Clayton, 1927 Hillsboro Rd., Nashville, receives bids about Feb. 15 for 6-story James White Bldg. for offices and garage; Hart, Freeland & Roberts, Archts., Independent Bldg.; Roberts & Co., Consit. Engrs., both Nashville. 10-18

Tenn., Knoxville—Auburn Knoxville Co., inc., chartered; Charles W. Little, 2021 W. Clinch Ave.; Auburn automobile distributors.

Tenn., Memphis—White & Crosby, Inc., 907 Union Ave., capital $25,000, incorporated; D. F. White.

Tex., Brownsville—Webster Edgar Motor Co., Inc., capital $25,000, incorporated; G. W. Webster, J. W. Edgar.

Tex., Dallas—L. H. Battery Co., capital $20,500, incorporated; H. A. Brewster, 3923 Gilbert St.

Tex., Houston—Humble Oil and Refining Co. erect brick filling station, 2630 Navigation Blvd.

Tex., Littlefield — Phillips Petroleum Co., Bartlesville, Okla., immediately begin constructing brick and conc. filling station, Main St.

Tex., Mission — Sydnor Motor Co. have plans completed about Feb. 12 for $15,000 garage and salesroom; 1-story, 100x100 ft., tile, stucco, built-up roof, conc.; R. Newell Waters, Archt., Weslaco. 11-15

Tex., Rising Star—Wood Chevrolet Co., capital $15,000, incorporated; Roy Hickman, W. H. Kilgore.

Tex., San Antonio—Ormsby Chevrolet Co., 457 S. St. Mary's St., let contract to E. Bourgeois, 318 Avondale St., for servise shop, containing paint shop, repair shop, store room, wash rack, top shop; 1-story, 22x139 ft.; private plans.

Tex., Shamrock—Kingry Barnes Motor Co., incorporated; Harry J. Kingry, C. A. Barnes.

Va., Bristol—City Service Station, Inc., changing name to City Service Oil Co., Inc.

Va., Franklin—Reliance Motors, Inc., capital $25,000, chartered; W. E. Smith.

Va., Richmond—Mrs. Annie Boyd Jones erect $20,000 automobile storage building, 1321-1323 W. Broad St.; 1 story.

W. Va., Charleston—Stewart Motor Sales Co., capital $50,000, incorporated; Hugh Stewart, 2408 Kansas St.

Railways

Ky., Louisville—Louisville & Nashville R. R. Co., W. R. Cole, Pres., reported, appropriated $20,000,000 for track and equipment improvements and additions in 1929; program includes $1,200,000 for freight yard at Mobile, Ala.; $609,000 for reconstructing small bridges between Louisville and Lexington, Ky.; reconstuct bridge over Ohio River at Cincinnati, Ohio; $289,200 for automatic block signals on Atlanta Division; $750,000 for additional mechanical facilities at Howell, Ind.; $225,000 for improvements to wharves, Pensacola, Fla.; $5,200,000 for continuation of work on 13-mi. connection between Chevrolet, Ky., and Hagans, Va.; $7,800,000 for new rolling stock, including 24 heavy locomotives, 1450 coal cars, 750 automobile cars, 300 box cars, 12 passenger cars, 6 baggage cars and 4 all-steel dining cars; $2,700,000 for 65,000 tons of 100-lb. rail. 1-17

Md., Baltimore—Pennsylvania R. R., W. W. Atterbury, Pres., Philadelphia, Pa., reported, confirmed report that Bd. of Directors will request stockholders to authorize increase of capital to extent of $100,000,000.

Md., Baltimore — Interstate Commerce Comn. authorized Baltimore and Ohio Railroad, Daniel Willard, Pres., to extend Marley Neck branch from terminus at Stahl Point to Leading Point, near Curtis Bay shore, 2 mi.; to cost approx. $1,530,000. 11-29

Tex., Grand Saline—Texas and Pacific Ry. Co., J. L. Lancaster, Pres., Dallas, applied to Interstate Commerce Comn. for permission to acquire Texas Short Line Ry., T. B. Meeks, Pres. and Gen. Mgr., Grand Saline; line runs from here to Alba, Wood County, 13 mi.; will begin operation at once.

Tex., Hamlin—Hamlin and Northwestern Ry. Co., capital $10,000, incorporated; R. L. Moore; authorized to construct 10-mi. of railway from Hamlin into Stonewall County; standard gauge.

Railway Shops and Terminals

Ala., Parrish—Northern Alabama Ry. Co., subshidiary of Southern Ry. System, B. Herman, Ch. Engr., Washington, D. C., enlarge shops and build 150 houses for employes.

Mo., Poplar Bluff—Missouri-Pacific Railroad Co., L. W. Baldwin, Pres., St. Louis, spend $100,000 for improvements to railroad terminal here during next few months.

Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

Proposed Construction

Alabama — State Highway Comn., Montgomery, receives bids soon for 13 roads, bridges and culverts costing about $2,000,000: Butler County—2 mi. grading, draining on spur to main road through Garland; grading and draining 2 mi. between Chapman and Conecuh County line; Crenshaw-Coffee Counties—culverts and bridges on Elbert-Brantley road; Pike-Barbour Counties—grading, draining, surfacing Clio-Brundidge road; Calhoun-Etowah Counties — culverts and bridges on Anniston-Gadsden road; Marshall County—grading,draining, surfacing Guntersville to Arab; Guntersville to Huntsville; Chambers-Tallapoosa Counties—Camp Hill to Lafayette; Conecuh County—pave 10 mi. State Route No. 3, east and west of Evergreen; Crenshaw County—pave 3 mi. State Route No. 9 north and south of Brantley; Henry County—2 mi. State Route No. 15, Opelika to Abbeville; Lee-Chambers Counties—State Route No. 15, Opelika to Fairfax; Lauderdale County — Jackson Highway between Florence and Tennessee line toward Nashville; Mobile County—road between Axis and Calvert.

Ala., Anniston—State Highway Comn., Montgomery, receives bids soon for Florida Short Route, between Anniston and Etowah County line.

Ala., Birmingham — City Comn., Eunice Hewes, City Clk., plans expending $131,135 for public improvements; $92,005, paving; $23,900, sanitary sewers; $15,250, lights; A. J. Hawkins, City Engr.

Ala., Fort Payne — First National Bank, Cincinnati, Ohio, reported, will build 14 mi. Lookout Scenic Highway from Mentone, Ala., DeKalb County; bank owns 16,000 acres in vicinity of Battelle, DeKalb County.

Ala., Montgomery—City Comn. plans paving Cooper St., North Montgomery; may curb and gutter Clubview Ave. near Woodley Club; J. M. Garrett, City Engr.

Ala., Parrish — City contemplates paving streets to connect with Bankhead Highway to Birmingham and Memphis.

Ala., Phenix City—State Highway Comn., Woolsey Finnell, Highway Dir., Montgomery, receives bids Feb. 19 to pave State Route No. 8, through Phenix City, Lee-Russell Counties, 16,000 sq. yd. plain cement conc. paving.

Ala., Tuscumbia — City, E. S. Gregory, Mayor, considering improving Sixth St. road between Tuscumbia and Muscle Shoals City.

Arkansas — State Highway Comn., Little Rock, received low bids for 2 roads and 11 bridges, costing $500,000: Benton County—Gravette-Gentry road, Cole Brothers & Denison, Fayette, $9,988; Perry County—5½ mi. Ola-Hot Springs road, Ellis & Lewis, Surety Bldg., Muskogee, Okla., $53,349 (conc. box culverts); Bridges: Howard County—360 lin. ft. treated timber bridges, Nashville-Mineral Springs road, M. K. Orr, Little Rock, $23,983; Montgomery County—155 ft. rein. conc. deck girder bridges, and 1,345 ft. earth embankment approaches on Mt. Ida-Norman road, T. H. Clay & Co., Mount Ida, $14,268; Crawford and Franklin Counties—827 ft. rein. conc. bridges, over Big Mulberry Creek and Miller Branch, on Alma-Ozark road, Altman-Rodgers Co., Oklahoma City, $55,445; Columbia County—1,768 ft. treated timber and struct. steel bridge, Magnolia-Taylor road, Lambert-Witt Bridge Co., Mount Ida, $43,177; Ouachita and Dallas County—943 ft. steel and timber bridges, Earle Mills-Holly Springs road, J. F. Mullins, 4200 Mulberry St., Pine Bluff, $24,965.

In Columbian and Union Counties—1,199 ft. timber and steel bridges, Stephens-Mount Holly road, Lambert-Witt Bridge Co., $27,284; Union County—195 ft. timber bridges, El Dorado-Moro Bay road, S. A. Jeffus, Taylor, $5,925; Logan County—175 ft. conc. bridge, Delaware Creek, on Paris-Dardanelle road, Carter Construction Co., Little Rock, $17,442; Van Buren County—333 ft. conc. bridges, Damascus-Clinton road, Carter Construction Co., $41,768; Grand and Jefferson Counties—270 ft. conc. deck girder bridges, Dollar Way (Pine Bluff-Little Rock road), Arkansas General Construction Co., Little Rock, $33,397; Clark and Hot Springs Counties—1,021 ft. conc. bridges, and 168 ft. earth embankment approaches, Donaldson-Friendship road, Newell Construction Co., Little Rock, $61,084.

Ark., Camden—Goods Roads Committee of Camden Chamber of Commerce and Ouachita County, Watt Jordan, County Judge, considering completing 5 roads in county: Camden—Smackover Highway; Hecker Farm to Camden road; Camden-Hope road; Camden-Kent and Camden-Hampton roads.

Ark., Little Rock—Pulaski County, W. S. Rogers, Clk., plans grading, conc. or asphalt paving 30 blocks Suburban Paving Dist. No. 37.

Ark., Washington—State Highway Dept., Little Rock, making survey for highway route from Columbus, Hempstead County, to Saratoga and Okay; R. B. Stanford, Dist. Engr.

Ga., La Fayette—State Highway Bd., Engr. Walters, Atlanta, making survey of highway, La Fayette to Lee and Gordon Mill, for 30-ft. conc. roadway, and elimination of grade crossings from La Fayette to Chickamauga National Park, Walker County.

Ga., Savannah—City Council, N. P. Corish, Clk., plans grading and paving Fifty-first St., Reynolds St. to Waters Ave.

Louisiana—Louisiana Highway Comn., Baton Rouge, receives bids Feb. 12 to furnish gravel and build 2 roads: East Feliciana Parish—6.380 mi. Clinton-Baton Rouge Highway, from cross-roads near St. Peters Church south of Clinton, to Olive Branch; Richland Parish—1.239 mi. Rayville-Oak Ridgee Highway, from south end of Lake Lafourche Bridge, south; A. F. Atkins, Asst. Engr.

La., Bastrop—City Council receives bids Jan. 25 to pave Boatner St., Cason to Keller Ave.

La., Crowley—City, H. Gordon Brunson, Mayor, considering paving in business dist.; also installing storm sewer in East Crowley.

Md., Baltimore—City, Bd. of Estimates approved ordinances for opening, widening and grading following streets: Garrison Lane, to 50 ft., Baltimore St. to Frederick road; Trainor Ave., 40 ft., Arbutus Ave., northeasterly; Pennington Ave., 70 ft., Adler St. to Marley Neck road; Nathan L. Smith, Highway Engr.

Md., Baltimore—City, Nathan L. Smith, Highways Engr., considering opening Forty-first St., Roland to Woodberry Ave.

Md., Baltimore—City Plan Committee, W. O. Atwood, Chmn., approved plans to open Federal St., Loney Lane to Bowleys lane and through Herring Run Park; Horner's lane, Philadelphia road to Sinclair lane; Forest Ave., from Gwynns Falls Parkway to Franklintown; widen to 65 ft.; Nathan L. Smith, Highways Engr.

Md., Chestertown—Town plans expending $85,000 for street improvement. See Financial News.

Miss., Bay St. Louis—City Commrs., Chas. Traub, Sr., Mayor, receives bids Feb. 18 for conc. street intersections and conc. culverts; S. J. Ladner, Public Utilities Commr.

Miss., Carthage — Leake County Bd. of Supvrs. receives bids Feb. 5 for .307 mi. state trunk road between Carthage and Philadelphia, Miss., 3,866 cu. yd. excavation and borrow, 2,600 lb. rein. steel; also one 100-ft. steel span complete, 24,360 lb. rein. steel; 63,650 ft. B. M. creosoted lumber.

Miss., Jackson—Hinds County Bd. of Supvrs. receives bids Feb. 6 for 13.359 mi. State Trunk road, between Jackson and Flora: 117,902 sq. yd. plain conc., or 24,505 sq. yd. rein. conc. pavement; 142,599 sq. yd. conc. base and curb, 134,545 sq. yd. sheet asphalt, Warrenite bitulithic, or asphaltic conc., surfacing, or 142,509 sq. yd. blacck base with inverted curb, sheet asphalt, Warrenite bitulithic or asphaltic concc. surfacing; G. A. Draper, State Highway Engr.

Miss., McComb—City, B. E. Butler, Clk., plans additional blocks of paving in residential section and other street improvement.

Miss., Senatobia—Thomas H. Allen, Consit. Engr., Memphis, making survey for hard surfacing with conc. or asphalt principal streets, and space between Front St. and I. C. R. R.; Bd. of Aldermen considering white way for Main St.

Mo., Carthage—State Highway Dept., Jefferson City, plans grading and paving 11 mi. Highway 38, section of Malang Highway, from Fidelity corner east of Joplin to western boundary of Sarcoxie; plans bridges over Jones and Jenkins Creeks; T. H. Cutler, State Highway Engr.

Mo., Independence—Jackson County Court, Harry S. Truman, Presiding Judge, received low bid from Edward J. Eiff Co., Quincy, Ill., $342,947, for 14 mi. paving on Outer Belt road, from U. S. 71 to Missouri 7, through Greenwood; Leo E. Koehler, County Highway Engr. 1-10

Miss., Kosciusko—Attala County Bd. of Supvrs., G. J. Thornton, Clk., receives bids Feb. 4 for 1 mi. gravel road from West Pike Bridge (Big Black), east.

Mo., St. Louis—City, preliminary plans to grade and conc. pave 15,700 sq. yd. alleys in 11 city blocks; $43,160; W. W. Horner, City Engr.

Mo., St. Louis—City, Bd. of Public Service, receives bids Jan. 29 for 34,220 cu. yd. grading on 4 streets and avenues; cost $30,-980; W. W. Horner, City Engr.

Mo., St. Louis—City, Bd. of Public Service, plans grading Spring Ave.; paving Grant Place, Miami and Kensington Sts., Lexington, Maury, Spring and Withers Ave.; W. W. Horner, City Engr.

N. C., Charlotte—City, Frank W. Orr, Atty., plans widening South Brevard St., Trade to Fourth St.

N. C., Greensboro — City, P. C. Painter, Mgr., considering widening Walker Ave. to 40 ft., Ashe to Eugene St.; paving Walker Ave., and McGee St.

N. C., Lexington—State Highway Comn., Raleigh, plans survey for Highway 90, between Lexington, Davidson County, and Claude Helper's store, near Willomoore Springs.

N. C., Rutherfordton—Rutherford County Commrs. will build 3.2 mi. road near Cliffside and 3 small bridges.

Oklahoma—State Highway Comn., Oklahoma City, received low bids for 4 roads and 16 bridges: Logan County—4 mi. State Highway No. 33, Guthrie to Coyle, Tom Collins, Cushing, $90,650; Alfalfa County— .6 mi., Highway Construction Co., Kennedy Bldg., Tulsa, $34,039; Bridges: Noble County—Hyatt Construction Co.; Grady County—Tom Collins, $95,915; Craig County—on U. S. Highway No. 66, Concrete Construction Co., Fairfax, $30,880; Choctaw County—Altman Rogers Co.; Dewey County—James & Yeokum; Major County—L. B. Byhee, $11,-512; Washita County—James Brothers, $27,-901; Murray County—extension to abutment of bridge, T. G. Ayers, Sulphur; Beckham County—Standard Paving Co., 2119 E. 11th St., Tulsa, over $97,000; Delaware County—Stephens County Construction Co., $26,610; Pittsburg County—James J. Harrison, Continental Bldg., Oklahoma City. 12-6

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans 6.175 mi. grading, conc. paving Madison and Jordan St., cost $25,000; 16,100 sq. yd. grading, sheet asphalt Highland Drive, $81,629; widen and 12,800 sq. yd. conc. paving West G Ave. and Robinson St., $62,000; W. W. Small, City Engr.

Okla., Poteau—City, D. A. Shaw, Mayor, preliminary plans for 9,000 sq. yd. conc. paving.

Okla., Tulsa—City Comn., Dan Patton, Mayor, receives bids soon for $77,142 paving and sewer construction; pave Jasper St., Utica to Wheeling; widen Boston Ave., Eighteenth to Twenty-first St.; sewer for Carbondale and Yargee addition; Kenneth R. Teis, City Engr.

S. C., Conway—Horry County has $50,000 available to improve and surface treat 15 mi. State Highway Route from Red Hill, east of Conway to Myrtle Beach.

Tennessee—Dept. of Highways and Public Works, H. S. Berry, Commr., Nashville, plans starting in May to tar-surface 30 mi. Smoky Mountain scenic loop, from Townsend to Pigeon Forge, by Elkmont; plans smooth surfacing 3 roads: 14 mi., Highway 33, Knoxville-Atlanta route, from Maryville to new Niles Ferry Bridge; 35 mi. Highway 81, Kingsport to Irwin, cross link for highways from Knoxville to Virginia and North Carolina; 24 mi. Highway 35, Knoxville-Sevierville-Newport route, Greeneville to Newport.

Tenn., Alton Park, Chattanooga—City plans expending $50,000 street paving, and $75,000 for sidewalks. See Financial News.

Tenn., Knoxville — City, W. W. Mynatt, Dir. of Public Service, plans widening Gay St. to 65 ft., Hill north to alley; Hill St. to 30 ft. to State.

Tenn., Memphis—Memphis Street Ry. Co., E. W. Ford, V.-P., reported, plans expending about $85,000 to resurface Main St. in loop, from Linden to Poplar Ave., and re-lay tracks in 1929.

Tenn., Nashville—Davidson County Highway Comn., C. C. Thacker, Sec., will improve Nolensville road, from city limits to beginning of State Highway section, at Radnor.

Tenn., Ripley—Lauderdale County Hard Road Comn., W. C. Patton, Chmn., receives bids Feb. 5 to grade and drain 4 roads: From Mack to Fulton; Porters Gap to Mississippi River; Henning, east to Haywood County line; St. Paul to No. 19.

Texas—State Highway Comn., R. S. Sterling, Chmn., Austin, plans 9 roads; Brown County—build Highway No. 10 across county and Highway No. 7 and conty roads; $850,-000 available; Leo Ehlinger, County Engr.; Caldwell County—relocate sections of Highway No. 20, Middlebuster Highway, involving grading, draining on new location, A. D. Hutchinson, Res. Engr.; Fannin County—11 mi. surface, Highway 78, from aBiley to Bonham, estimated cost $35,200; W. H. Dockery, Div. Engr., Paris; Comal County—funds appropriated for grading, draining, etc., 8 mi. Highway No. 2, Post road, eliminate 2 railroad crossings over M. K. & T. Ry., Guadalupe County line to point east of Solms; estiamted cost $90,000.

In Franklin County—widen Highway 1, Bankhead Highway, and replacing 11 narrow bridges; estimated cost $19,388; W. H. Dockery, Div. Engr., Paris; Red River County—widen Highway No. 5, including replacing 15 narrow birdges and 9 narrow culverts; estimated cost $44,453; W. D. Dockery, Div. Engr.; Lamar County—grading, draining Highway No. 39, north end of Federal Aid Project No. 343-A to end of Federal Aid Project No. 469; Hunt County—widen and replace 6 bridges on Highway No. 1, Greenville to end of pavement on Federal Aid Project No. 189, estimated cost $16,157; Franklin, Titus and Morris Counties—widen and reditch 43 :56 mi. Highway 1, Bankhead Highway, through counties, estimated cost $25,080; Gibb Gilchrist, State Highway Engr.

Tex., Amarillo — Potter County Commrs. Court, Sam B. Motlow, County Judge, receives bids soon for $250,000 road improvement, including 13 mi. gravel Old Field Highway; J. W. Ryder, County Engr., preparing plans to gravel 3 mi. West Tenth St., Bivins Addition to point on Rock Island R. R.; plans expending $100,000 to improve 18 mi. Highway No. 5, Amarillo Creek to Moore County line.

Tex., Austin — City, P. W. McFadden, Mayor, receives bids latter part of Jan. for street paving, including several streets below Sixth, and between Congress Ave. and Rio Grande St.; $200,000 available.

Tex., Bonham—Fannin County Court plans expending $180,000 to build Highway No. 5; plans 42 mi. Highway No. 78; expending $475,000 to gravel 95 mi. roads. See Financial News.

Tex., Brownwood—City receiving bids for 12 blocks alternate types paving, cost $35,-000; M. Ragsdale, Engr.

Tex., Corpus Christi—Nueces County plans improving 4 roads totaling 50 mi.: Flour Bluff, Sunshine and London road, and road to Petronilla. See Financial News.

Tex., El Paso—Fred Wilson, County Engr., prepared plans to widen Smelter road from foot of viaduct to Santa Fe tracks across highway; E.B. McClintock, County Judge.

Tex., Fort Stockton—Pecos County Commrs. Court considering expending $350,000 for roads near Iraan, new oil town in county. See Financial News.

Tex., Galveston—City, E. H. Ivey, Street Commr., receives bids soon to resurface Market and Tremont St.; pave Broadway, Fifty-eighth to Fifty-ninth St.; Charles A. Holt, City Engr.

Tex., Groesbeck—State Highway Comn., R. S. Sterling, Chmn., Austin, may build road from point near Mart, McLennan County to Groesbeck, Limestone County.

Tex., Jasper—Jasper County plans road building in Precinct No. 2. See Financial News.

Tex., Laredo — Webb County, S. Ryan, County Auditor, receives bids Feb. 6 for 1½ mi. highway, from Mirando City to State Highway No. 12-A; 3,000 cu. yd. gravel base and shoulders, 16,500 sq. yd. Duraco rock asphalt paving; Justo S. Penn, County Judge.

Tex., Lufkin—City Comn. plans expending $100,000 for additional street paving in residential section. See Financial News.

Tex., Lytle — Irrigation - Port Highway Assn., organized; Maston Nixon, Pres., San Antonio; H. F. R. Helland, Sec., Corpus Christi; promote building paved highway from Eagle Pass, Maverick County to Corpus Christi, Nueces County; paved road across McMullen County, and from George West, Live Oak County to Nueces County line.

Tex., Palestine—Anderson County, Judge Shelton, plans extending and graveling Tennessee Colony road, from Cayuga to Trinity River at Wild Cat ferry.

Tex., Palestine—State Highway Dept., R. G. Sterling, Chmn., Austin, may receive bids in Feb. to extend gravel, State Highway No. 19, from Montalba to Henderson County line; Goob Gilchrist, State Highway Engr.

Tex., Perryton—Devlin - Engineering Co., Wichita, Kan., prepared plans for 23 blocks street paving in Perryton.

Tex., Rankin—Upton County, V. D. Allen, County Commr., plans 32 mi. grading, draining, paving Highway 99, San Angelo-Fort Stockton road across county, estimated cost $1,300,000.

Tex., San Antonio—City, Paul E. Steffler, Commr. of Streets, plans widening New Braunfels Ave., 6 ft., Dawson to Burleson St., including laying curb and sidewalk.

Tex., San Antonio—City, Fred Fries, Clk., receives bids Jan. 28 to improve 17 streets and avenues, including North and South Leona, Gibbs, Maple St., Blanco road, University Ave.; I. Ewig, City Engr.

Tex., San Antonio—City, Paul E. Steffler, Commr. of Streets, considering widening East Houston St., 50 to 80 ft., North Cherry to New Braunfels Ave.; C. M. Chambers, Mayor.

Tex., Stinnett—Hutchinson County Commrs. Court, George Collins, Commr., considering highway from Main and Franklin St., Borger, to 3 carbon black plants under construction west of city.

Tex., Tyler—Smith County plans 15 mi. gravel highway north and south through county, from Smith and Cherokee County line, at Troup, to Smith-Rusk County line, Overton; treats with asphalt later.

Tex., University Park, Dallas—City Council, E. G. Smith, Mayor, plans receiving bids Feb. 12 to pave Hanover St., Hillcrest to Turtle Creek Blvd., and building storm sewers on Preston road, from University Blvd. to Emerson St.

Tex., Van Horn—Culberson County plans $75,000 road building. See Financial News. 1-10

Tex., Whitesboro—State Highway Comn., R. S. Sterling, Chmn., Austin, may receive bids Feb. 20 to widen state highway through Whitesboro, to 100 ft. in business dist.; 36 and 30 ft. wide in residence section.

Tex., Woodville—Tyler County, E. J. Riley, County Comn., Chester, plans 14 mi. gravel surface, Highway No. 106, Polk County line to Precinct No. 1.

Tex., Yoakum—City Commrs. and Advisory Bd. have $50,000 available for street paving.

Va., Richmond—City, J. Fulmer, Bright, Mayor, considering expending $700,000, for 16 blocks, about 1 mi. smooth paving, including Main, Fifth and Marshall St. See Financial News.

Contracts Awarded

Ala., Cloverdale—R. G. Lassiter & Co., Shepherd Bldg., Montgomery, have contract for curbs and gutters on First St., Cloverdale.

Ala., Mobile—Mobile County Bd. of Revenue, let contracts for 3 roads, 3 bridges and bridge approaches: Approaches to Dog River Bridge, including fill through marsh, Mobile-Gulf Navigation Co., $18,245; grading and draining Tanner-Williams road, Mobile Construction Co., Meaher Bldg., $33,607; bridges on Tanner-Williams road, Cox & Bryson, $26,743; grading and draining Mt. Vernon-Citronelle road, Z. D. Fountain, $55,713; bridges, $20,231; bridges on Turner road, Bay Construction Co., 310 St. Michael St., $4,779; widening and draining Old Shell road, Hancock Brothers, $30,844. 12-13

Ala., Montgomery — City, J. M. Garrett, Engr., let contract to Robert G. Lassiter & Co., Shepherd Bldg., for 2 blocks street improvements, curbs, gutters, storm sewers, grading; L. W. Jackson, City Clk. 1-10

Ala., Phenix City—W. J. Hicklin, Columbus, has contract, $100,000, to pave 2 mi. First St., Broad St. to city limits, being link in Crawford or Phenix City-Montgomery road.

Florida—State Road Dept., Tallahassee, let contracts for 2 roads: Alachua County—16.77 mi., Road 14, to L. M. Gray, Gainesville, $187,647; Leon County—Road 10, to R. G. Lassiter & Co., Barnett Bldg., Jacksonville, $251,600. 11-29

Fla., Jacksonville—Duval County Commrs., Dr. J. G. Rawls, Chmn., let contract to Dixie Culvert and Metal Co., Jessie St., and Berger Manufacturing Co., Evergreen Ave., for 25,000 ft. culvert pipe; Atlantic Shell Co., Lynch Bldg., for 15,000 cu. yd. shell for roads, and C. W. Perkins, 1611 Ingleside Ave., for 10,000 cu. yds.

Fla., Miami—City, Welton A. Snow, Mgr., let contract to Robt. G. Lassiter & Co., S. W. 27th Ave., Miami, for 8 blocks 30-ft. street paving, 5-in. pit rock base, oiled with two applications of sand; 7189 sy. yd.

Fla., Naples—City let contract to W. P. McDonald Construction Co., Marble Arcade, Lakeland, and Flushing, N. Y., $200,000, for paving 4 mi. streets, conc. curb and gutters and storm sewers for principal streets.

La., New Orleans—Craven & Lane, 7500 Poydras St., have contract, $55,125, for 7860 sq. yd. Warrenite bitulithic paving on Baronne St.; Southern Uvalde Rock Asphalt Co., New Orleans Bldg., $59,312, contract for 9070 sq. yd. bit. conc. wearing surface on Baronne St.

Miss., Bay St. Louis—Hancock County Bd. of Supvrs. let contract to Southern Paving Construction Co., Volunteer Bldg., Chattanooga, Tenn., $24,546, for 20-ft. rein. conc. highway, sidewalk and curb, from Central Ave., in Lake Shore to Point Cadet; J. W. Billingsley, Consit. Engr., Interstate Bank Bldg., New Orleans, La. 12-13

Miss., Natchez—Elington-Miller Co., 417 S. Dearborn St., Chicago, Ill., has contract for Yazoo and Mississippi Valley and Natchez and Southern Railroads, for 5 blocks 32-ft. wide conc. paving on Broadway, cost $40,000. 12-6

Miss., Water Valley—Yalobusha County Bd. of Supvrs. let contract to Mike Harvey, Water Valley, $48,000, for 2 sections of road connecting Central Highway in west end of county to Jefferson Davis Highway through central portion of county.

Miss., Waynesboro—City, T. O. Slaughter, Mayor, let contract to Merrill Construction Co., Jackson, for conc. paving, Turner, Carr and Chickasawhay St.

Okla., Clinton—Connelly Brothers, El Reno, have contract for 6-in. plain conc. paving in Dist. No. 32; W. A. Shouse, City Clk.

Okla., Lindsay—City, C. A. Sanders, Mayor, let contract to L. Hamilton, Pauls Valley, $34,574, for 49,300 yd. gravel paving in Dist. No. 2. 12-13

Okla., Maud—City, F. Fowler, Clk., let contract to Standard Paving Co., 2119 East Eleventh St., Tulsa, $48,891, to grade and conc. pave 4 alleys, Douglas, Haines and King St.

Okla., Muskogee—City, T. L. Gibson, Mayor, let contract to Gravelle & Hamblin, Barnes Bldg., to widen West Broadway, Sixth, Callahan, C., Dayton and Houston St., Spaulding Blvd. and Okmulgee Ave.; 6-in. conc.

S. C., Ridgeland—Hutton Construction Co., Savannah, has contract to complete shoulders on highway between Hardeville and Ridgeland, Jasper County.

Tex., Dallas — City Comn., R. E. Burt, Mayor, let contract to Southern Paving Co., $33,760, to pave with rock asphalt, Exposition Ave. East Side to Parry; at $31,622, Waverly Ave., Grand Ave. to Santa Fe tracks; Central Bitulithic Co., Praetorian Bldg., to pave Lewellyn St., Davis to Seventh; John M. Young, City Engr.

Tex., Dallas—City, R. E. Burt, Mayor, let contracts totaling $75,000 to Uvalde Construction Co., and H. L. Cannady Co., 1122 S. Lewis St., Tulsa, Okla., to pave 8 streets, including Jeffries, Kelly, Richardson, Sealy; to Central Bitulithic Co., Praetorian Bldg., to pave intersection of Bowser and Hawthorne St.

Tex., El Paso—El Paso County Commrs., E. B. McClintock, County Judge, let contract to Veater & Davis, Two Republics Bldg., to grade cutoff from Carlsbad Caverns Highway to Porter road; Fred Wilson, County Engr.

Tex., Estelline—City Council let contract to J. P. Foty, Iowa Pk. Rd., Wichita Falls, for 4 blocks paving, curb and gutter around public square.

Tex., Palestine — Dodds & Wedegartner will expend $11,398, to pave South Church St., from courthouse through Regan Park, etc.

Tex., San Antonio—City, Fred Fries, Clk., let contracts totaling $75,200, to improve 9 streets, including North Zarzamora, North Center, Delaware St.; Uvalde Rock Asphalt Co., Frost National Bank Bldg.; Southwest Bitulithic Co., 302 Castro St.; Alamo Paving Co., 321 Dawson St.; Colglazier & Hoff, Inc., 125 Crosby St. 1-3

Tex., Stamford—City let contract to Thurber Construction Co., 1811 Fort Worth National Bank Bldg., Fort Worth, for 65,000 sq. yd. permanent type paving.

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Birmingham — See Roads, Streets, Paving.

Ark., Pine Bluff—Bd. of Commrs. Suburban Sewer Imp. Dist. No. 5 plans storm and sanitary sewers in territory between 20th and 26th Sts. and Olive and Main Sts. and in section northeast of city.

Fla., Naples—See Roads, Streets, Paving.

La., Crowley—See Roads, Streets, Paving.

La., Tallulah—City receives bids Feb. 26 for sewers. See Wnt Section—Bids Asked.

Md., Chestertown—Town considering $20,000 sewage disposal bonds. See Financial News.

Mo., St. Joseph—Oscar H. Schmidt, 112 N. Ninth St., low bidder for sewer in Eighteenth St.; Harrington Construction Co. for sewer in Twenty-third and Doniphan Sts.; Hugh Devlin, sewer in Jackson St. 1-3

Okla., Altus—City, reported, rejected bids for sewer system and extension. 1-17

Okla., Gage—City let contract to Koller Const. Co., Ponca City, for $26,000 sewers. 1-3

Okla., Oklahoma City—City plans storm sewer on Blackwelder Ave.; Wm. W. Small, City Engr.

Okla., Oklahoma City—Koller Const. Co., Ponca City, has contract for sanitary sewers.

Okla., Tulsa—See Roads, Streets, Paving.

S. C., Greenwood—City voted $50,000 sewer bonds. 12-27

Tenn., Alton Park, Sta. Chattanooga—City votes Feb. 19 on sewer and park improvement bonds.

Tenn., Cleveland—City plans constructing commercial sewer beginning at Hardwick Mills and extending distance of 3585 ft., later plan disposal plant; use 21-in. pipe.

Tex., Center—City, Roy E. Payne, Mayor, will open bids about Mar. 1 for sewer extension; T. D. Kimnro, City Sec. 1-10

Tex., San Antonio—Kirkwood, Wharton & Lee, 456 Main St., low bidders for storm sewers, Hildebrand Ave.

Tex., University Park, Dallas—See Roads, Streets, Paving.

Va., Clarendon—Arlington County vote on bonds for installing main trunk line sewer.

Va., Luray—See Water Works.

Telephone Systems

Ark., Pine Bluff—Southwestern Bell Telephone Co., main office St. Louis, Mo., A. A. Garrett, Dist. Mgr., receiving bids for exchange addition, Second and Walnut St.; I. R. Timlin, Archt., 1916 Telephone Bldg., St. Louis, Mo. 11-15

La., Welsh—Calcasieu Rural Telephone Co., incorporated; W. C. Rowland.

Missouri—United Telephone Co., Kansas City, issuing $1,000,000 20-year gold debentures, series A 6%, through Wm. L. Ross & Co., Inc., Chicago; Whitaker & Co., St. Louis, and F. B. Keech & Co., New York; company is a Delaware corporation, through its wholly owned subsidiary companies, furnishes telephone service in Missouri, Oklahoma, Arkansas, Texas, Minnesota, Iowa, Michigan, Ohio and New Jersey. 1-17

Oklahoma — Continental Telephone Co., Kansas City (branch offices at Sulphur), capital $100,000, incorporated: H. L. Housley, Armour Ct. Apts., Millard F. Cheek, 5142 Garfield St., both Kansas City; authorized by Corporation Comn. to acquire exchanges located in following towns: Haileysville, Colbert, Stonewall, Bokchita, Clarita, Kenefic, Atwood, Fox, Oil City, Lone Grove, Kiowa, Savana, Pittsburg, Stringtown, Milburn, Ravia, Mansfield, Colera, Frances, Lamar, Ashland, Achille, Mill Creek, Stuart, Elmore City, Caney and Coleman.

Okla., Tulsa—Southwestern Bell Telephone Co., A. G. Milk, Building Engr., Tulsa Machine Switching Bldg., may receive bids about March 1 for addition to telephone building; I. R. Timlin, Archt., 1916 Telephone Bldg., St. Louis, Mo. 1-10

Tex., Sherman—Northern Texas Telephone Co., J. G. Crane, Pres., Wall and Walnut St., advise, acquired building site but no further plans made. 1-17

Va., Newport News — Hampton Roads Broadcasting Corp., capital $50,000, incorporated; Edward E. Bishop, Phoebus.

Va., Portsmouth—Chesapeake & Potomac Telephone Co. shortly begin $200,000 project of putting aerial cables and wires in underground cables and conduits.

Textile Mills.

Ala., Brewton—Fieback and Mandell, Inc., 40 E. 34th St., New York, reported, plans establishing silk mill.

Ala., Goodwater—W. R. Dean and D. M. White, Committee, negotiating with New York capitalists for rayon cloth and silk goods mill.

Ga., Columbus—Meritas Mill, W. J. Holden, Supt., plans 3-story, brick and conc. addition to connect present main building.

Ga., Eatonton—E. D. Harris, Commerce, and associates acquired interest of D. C. and J. C. Collier in Eatonton Cotton Mills.

Ga., Thomaston—B. F. Goodrich Rubber Co., Akron, Ohio, lately noted acquiring Martha Mills, containing 32,000 spindles, will increase to 85,000 spindles; plans in process of preparation and contract will be let in Feb.; Robert & Co., Inc., Engrs., Atlanta. 1-10

Md., Cumberland—Celanese Corporation of America let contract to George F. Hazlewood Co., MacFarlane Bldg., Cumberland, for laboratory building; conc., brick and steel; cost $40,000.

North Carolina—Joseph LeBauer and Meyer Gobart, Proprs. of Dixie Throwing Co., Paterson, N. J., reported, interested in erection of throwing mill at Burlington or High Point.

N. C., Charlotte—Cahrlotte Industrial Bureau, Harold D. Leslie, Mgr., reported, negotiating with Philadelphia, Pa., capitalists for full fashioned hosiery mill; has acquired site North Brevard and Twenty-eighth Sts.; erect $350,000 mill; construction to begin in March; install 32 full fashioned machines.

N. C., Monroe—Manetta Mills, Lando, S. C., reported, acquired Everette Mills and Knitting Mills, part of Icemorlee Mills.

S. C., Greenville—J. & P. Coats, Inc., Pawtucket, R. I., reported, interested in establishing thread mill.

N. C., High Point—Highland Cotton Mills plans 100x100-ft. 2-story addition to cotton mill and 50 dwellings.

N. C., Lexington—Pilot Hosiery Mill plans installing 25 additional knitting machines. 1-10

S. C., Newberry—Newberry Cotton Mills install modern machinery and new lighting system; expend $50,000.

S. C., Rock Hill—Rock Hill Hosiery Building Co. will be formed by local capitalists as holding company to erect $20,000 building on Hope St. for Rock Hill Hosiery Co., organized with $100,000 capital; J. C. Heslep, has contract for building, Waldrep Heating and Plumbing Co., for heating, plumbing and sprinkling systems; contract for electrical wiring to be let in few days.

S. C., Spartanburg—H. Arthur and W. P. Ligon, owners of Mills Mill, Greenville, and Woodruff Mills and Arcadia Mills, both Spartanburg, reported, plan establishing bleachery and finishing plant in Spartanburg County.

Tenn., Chattanooga — National Yarn and Processing Co., reported, merged with Standard Coosa Thatcher Co., Rossville, Ga.; Standard Coosa Thatcher Co. authorized issuance of $1,250,000 in 7% preferred stock, common stock remaining at $5,000,000; will produce all sizes of yarn and novelty dykes of rayon and mercerized combination; weekly output 325,000 lbs. of yarn; J. S. Verlenden, Pres., Lafayette Bldg., Philadelphia, Pa.; R. C. Thatcher, Asst. Gen. Mgr., Chattanooga.

Tenn., Cleveland—Hardwick Woolen Mills, reported, considering addition to plant.

Tenn., Shelbyville—Gallivan Building Co., Gallivan Bldg., Greenville, S. C., low bidder for mill unit Shelbyville Cotton Mills; conc. footings, brick walls, built-up roof, electric wiring and heating; J. E. Sirrine & Co., Engrs., Greenville, S. C. 1-10

Va., Pulaski—Virginia Maid Hosiery Mills, Inc., J. G. Johnston Construction Co., Welch, W. Va., Gen. Contrs., for first unit of mill, let following contracts: Boiler and stack set, Twin City Boiler Works, Bristol; sprink-

ler system, Globe Automatic Sprinkler Corp., 2035 Washington St., Philadelphia, Pa.; electrical work, Foster-Sembler Corp., Radford; heating, plumbing and draining, to R. H. Lowe Co., 125 Salem Ave., W., Roanoke; foundation for boiler and dye plant completed; foundation on main building to be started at once. 1-3

W. Va., Philippi—Rhoads-Dorman Mills, Inc., incorporated; F. W. Dorman, E. A. Sill; acquired blanket mill formerly operated by New Philippi Blanket Textile Mills; no expansion in immediate future; manufacture part wool blankets. 11-29

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ark., Bald Knob—City having survey made by E. E. Bonweitz, C. E., Little Rock, for water system and sewerage.

Fla., Winter Garden—Florida Public Service Co., Orlando, reported, negotiating for municipal light and water plant, will consolidate with ice plant.

Miss., Moss Point — City extend water mains on Griffin Road South.

Md., Frederick—City, Elmer StC. Maxwell, Engr., submitted recommendations for improvements to water mains, streets and sewers; cost $144,210.

Mo., Kansas City—City Council applied for $400,000 appropriation from water bond fund for construction of 20,000,000 gal. Turkey Creek reservoir, $50,000 to make necessary connections between engine house and pipe systems; $33,000 for improving grounds at water plant in North Kansas City, roads, walks, landscaping, machine shop equipment, fire hydrant system.

Okla., Erick—City receives bids in Feb. for $125,000 water works; C. A. Wood, Engr., Medical Arts Bldg., Oklahoma City.

Okla., Okeene—City plans soft water supply, including 35,000 ft. of c.i. mains; E. A. Jones, Engr., Enid.

Okla., Tulsa—City, Robt. S. Fiske, Engr., Healey Bldg., Atlanta, Ga., receiving subbids on water filtration plant. 1-17

Tex., Amarillo—City receives bids Jan. 29 on equipping 3 water wells.

Tex., Ballinger—City voted bonds for enlarging water system .

Tex., Beaumont—City, J. W. Anderson, Mgr., having survey made by Hawley & Freese, Engrs., Cotton Exch. Bldg., Fort Worth, for improvements to water works. 1-3

Tex., Fort Worth—City may extend water main along Camp Bowie Blvd. to Boaz Municipal Golf course.

Tex., Kenedy—City let contract to Layne-Texas Co., 6931 Harrisburg Rd., Houston, for sinking water well; capacity 500,000 gal.

Tex., Lampasas — City, H. V. Campbell, Mayor, plans 300,000 gal. filtration plant.

Tex., Shamrock—City expending $250,000 for water system.

Tex., Waco—City will have hearing Feb. 25 before Sate Bd. of Water Engrs., Austin, on application to use waters of Bosque River in McLennan County for industrial water supply, construct dam, earth and conc., 67 ft. high, 6500 ft. long, creating reservoir with storage capacity 39,000 acre feet. 1-3

Tex., Yoakum—Texas-Louisiana Power Co., Fort Worth Club Bldg., Fort Worth, reported, acquired 5 acre site near city, construct 250,000 conc. reservoir and pump house.

Tex., Dallas—Uvalde Construction Co., 920 Sante Fe Bldg., will lay water pipe in connection with $1,265,000 water main contract for which United States Cast Iron Pipe and Foundry Co., Burlington, N. J., has turnkey contract. 11-29

Va., Lynchburg — City Council approved laying 1020 ft. 8-in. water main Wilson, Bay and Allegany Sts.

Va., Luray—Town votes in May on water and sewer bonds. See Financial News.

West Virginia — Federal Water Service Corp., 27 Williams St., New York, offering 55,000 shares of $6 cumulative preferred stock (no par value) through G. L. Ohrstrom & Co., Inc., New York; Field Glore & Co., Chicago, and Graham, Parsons & Co., and Janney & Co., both Philadelphia; company supplies water to cities and communities in West Virginia and Alabama.

Woodworking Plants

Ala., Birmingham—Acme Woodwork Co. increased capital and will double capacity of plant.

Fla., Fort Lauderdale—Tropical Veneer & Package Co., J. F. Hirt, Pres., plans extension south of present plant to consist of cutting room, boiler room and machine shop; now preapring site.

Mo., St. Louis — Consolidated Rockford Furniture Mart, Inc., capital $10,000, chartered; Roy E. Loff, 5595 Chamberlain St.

N. C., Liberty—Dameron Veneer Co., capital $100,000, incorporated; V. H. Dameron, A. J. Borwer.

Tenn., Memphis—Boynton & Co., W. H. Barker, Pres., Chicago, Ill., plans establishing plant for manufacturing embossed and plain moldings and embossed carvings; probably occupy building formerly occupied by James and Graham Wagon Co., Dudley St.; employ 100 when unit begins operations and ultimately employ 175; use approx. 300 cars of hardwood annually to be furnished by local mills.

Va., Roanoke—Waynick Furniture Co., Inc., capital $25,000, chartered; J. H. Waynick, 109 Campbell Ave., E.

FIRE DAMAGE

Ala., Birmingham — Clyde Hunter's residence, 2221 Twenty-second Ave., South; loss $20,000.

Ark., Batesville—First Presbyterian Church; loss $50,000.

Ark., Greenbrier—Cotton gin owned by J. W. and C. L. Thompson.

Ark., Little Rock—Fones Bros. Hardware Co.'s warehouse No. 2, 313-15 E. Markham St.; Joe and Sam Stortha's building, 317 E. Markham St.; loss $30,000.

Ark., Little Rock—Joseph Pfeifer Grammar School, Eighth and Reichardt Sts.; loss $15,000; R. C. Hall, Supt. of City Schools.

Ark., Morrilton—W. M. Massingill's grocery store, Lloyd's Cash Store, Faulkner Dairy Co.'s plant, Mrs. L. Ward's clothing store; loss $16,000.

Ark.-Tex., Texarkana—J. W. Scott's residence, State Line Highway near Texarkana; loss $8,000.

Fla., Tampa—Florida Mattress Factory's furniture plant, Rome Ave. and Chestnut St.; loss $100,000.

Ga., Americus—Americus Bakery plant; Eskridge Bros.; loss $12,000.

Ga., Franklin—Heard County High School. Address Bd. of Education.

Ky., Ashland—Ashland Refining Co.'s plant; loss $100,000.

Ky., Benton—Ted Vanderbilt's residence, North Benton.

La., Alexandria—Joseph's Dress Shoppe, Neptune Cafe, Alexandria Bank Trust Co., Goldberg's Bonnet Shoppe, McKenzie's Barber Shop; loss $25,000.

La., Chatham—Buildings of Chatham Drug Co.; Foster & McDonald, general merchandise; E. W. Stuckey, grocery and market; Eli Morris, general store, and M. D. Morris, restaurant and rooming house; loss $25,000.

La., Mansfield—Dwelling, Claudia St., owned by J. B. Richardson, occupied by L. R. Lout.

La., New Orleans—Mrs. Theresa Sommer's building at 529-31 Magazine St., occupied by Walke Toy Co., B. Samuel, The Merchants' Cash Grocery, Inc., E. S. Upton Printing Co.; loss $30,000.

La., Washington—A. S. Anderson's residence.

Md., Baltimore—Four-story brick buildings, 302-04 W. Baltimore St., owned by A. Ginsberg.

Md., Baltimore—Building at 16 W. Lexington St., occupied by John W. Mealy Sons Co., jewelers, on first floor and Bachrach, Inc., photographer, on second and third; owned by Joseph Katz, 16 E. Mt. Vernon Place.

Md., Baltimore—Four-story apartment, 605 Washington Place, owned by John Heighe Estate.

Md., Catonsville, Baltimore—Dr. J. Fred Adams' residence, Rolling Road near Johnnycake Road; loss $60,000.

Md., Sharpsburg—Lewis Griffin's residence.

Miss., Rounsaville—School building. Address School Bd.

Mo., Carrollton—Charles Beck Bldg.; loss $12,000. Address The Owner.

Mo., Excelsior Springs—Baltimore Apartments. Address The Manager.

Mo., Moberly—A. C. Sibbitt's building, 100 block E. Coates St., occupied by Sibbitt Garage, Moberly Bakery, Johnson's Drug Store; loss $20,000.

Mo., Sedalia—Sinclair Oil Co.'s filling station, Third St. and Osage Ave.

Mo., St. Louis—Building on Olive St. road east of Denny road, occupied by C. H. Prante and J. Fisher.

N. C., Greenville—Evans Street School; J. H. Rose, Supt. of Education.

N. C., Badin—R. S. Abernathy's residence.

N. C., Hickory — Martin Furniture Co.'s building; loss $15,000.

N. C., Smithfield — Judge T. H. Brooks building occupied by Home Pride Store.

N. C., Wilson—Ray's Five and Ten Cent Store; loss $10,000.

Okla., Catoosa—Gravitte & Foster's store, Collins Grocery and Market, DeWeese Feed Store, Smith Drug Store, C. O. Langley's grocery store; loss $40,000.

Okla., Oklahoma City—Sunbeam Home, 620 W. 21st St., Mrs. Connie McAntire, Matron; loss $10,000.

Okla., Purcell—Building owned by Oklahoma Terminal Elevator Co.; loss $150,000.

Okla., Stuart—First State Bank Bldg. and store of A. M. Griffey Co.; loss $35,000.

S. C., Anderson—Dwelling, E. Orr St., occupied by Julian Freeman and Curtiss Tate; owned by Raymond E. Cochran; loss $7000.

Tenn., Elizabethton—Homestead Inn on E St., owned by E. R. Lingerfelt.

Tenn., Nashville—Residences of Mrs. Ada Mattingly, Lynwood Blvd., loss $18,000, and Dr. R. W. Grizzard, 3630 Harding Rd.

Tenn., Nashville — Harding Court Apartments, owned by Clarence Bernstein; loss $275,000.

Tenn., Pikeville — Coca Cola Bottling Works; Grover C. Ault, owner; W. A. Brown & Son's warehouse.

Tenn., Shelbyville—G. E. Gregory's residence, Jackson Highway; loss $6000.

Tenn., Spring City—Frank Ellis' residence; unoccupied dwelling owned by G. M. Ezell.

Tex., Bellevue—Fred Volkman's residence.

Va., Martinsville — Jim's Cafe. Address The Proprietor.

Tex., Charlotte—J. L. McDonald's store near Charlotte.

Tex., Fort Worth—Moslah Shrine Temple; loss $160,000.

Tex., Martindale—Barber Smith's residence.

Va., Appomattox—Buildings of Mrs. Virginia Henderson, millinery; J. W. LeGrand, meat shop; W. F. Woolridge, electrical shoe shop; F. P. Foss, barber shop; M. P. Porter, restaurant; loss $50,000; owned by R. F. Burke Estate.

Va., Rice—Buildings of Marshall & Trear, grocers; R. A. Bradshaw & Son, Bradshaw Bros., and J. S. Bradshaw & Son, general merchandise stores; loss $40,000.

Va.-Tenn., Bristol—Ben Simmons' residence.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ga., Gainesville—Independent Order of Odd Fellows let contract for $25,000 lodge building to Winston Penny Co.; brick, 2 stories and basement, conc. foundation, hardwood floors. 12-13

Ga., Savannah — Chatham Post No. 36, American Legion, Brig.-Gen. R. J. Travis, member, Site Comm., plans clubhouse.

Md., Rockville—Henderson-Smith-Edmonds Post, American Legion, Harold C. Smith, Chmn., purchase and remodel Farmers Bank & Trust Co. bldg. for memorial clubhouse.

XUM

N. C., Raleigh—Grand Lodge, Ancient Free and Accepted Masons, R. C. Dunn, Grand Master, Enfield, is considering erection of temple to replace present structure, Fayetteville and Hargett Sts.

Tenn., Lenoir City—American Legion considers erecting auditorium-community center building.

Tex., El Paso—Benevolent Protective Order of Elks, Leon A. Rosenfield, Chmn., Bldg. Comm., plans $300,000 lodge bldg., site present structure, N. Campbell St. and Myrtle Ave.; 7 stories; Braunton & McGhee, Archts.

Bank and Office

Ga., Lindale—Peperell Manufacturing Co. remodel and enlarge office building; brick, 1 story, comp. roof; $15,000; Cyril B. Smith, Archt., Bona Allen Bldg., Atlanta.

Ky., Louisville—Louisville and Nashville R. R. Co., W. H. Courtenay, Ch. Engr., erect 11-story and basement addition to general office building, Broadway near Ninth St., separated from present building by freight driveway; $750,000, first 2 stories faced with stone, pressed brick with stone or terra cotta trim above; backing of brick and hollow tile trim; steel frame, conc. floor joists and hollow tile filler, hardwood floors in offices; marble or tile corridor floors; marble trim in first floor corridor; 2 elect. gearless traction elevators with sheet metal and wire glass enclosure; direct system of lighting; vapor or low pressure steam from present heating plant; drinking water from present refrigerating system; marble wainscote and toilet partitions, ventilating system and marble floors in toilets; plans to be drawn by J. C. Haly, architect on staff of Ch. Engr. 1-3

La., Alexandria — Alexandria Bank and Trust Co. repair building noted damaged by fire; about $10,000.

Miss., Greenwood—Dr. J. Preston Kennedy erect brick, hollow tile and stucco trim office building; 1 story and basement, 40x100 ft., rein. conc. foundation, pine and oak floors, built-up comp. roof; Robt. J. Moor, Archt.; bids in.

Miss., Jackson — Southern Building and Loan Assn., Thad B. Lampton, Pres., Capital Natl. Bank Bldg., plans building, Capitol St.; drawing plans.

Miss., Jackson—J. B. Stirling, Pres., First National Bank, Myer A. Lewis, and others, erect 12-story office building, N. Congress and Amite Sts.; to apply for incorporation charter; N. W. Overstreet, Archt., Miss. Fire Bldg.; preliminary plans drawn.

Miss., Jackson — Paul Chambers, Atty., Thad B. Lampton, Pres., Capital National Bank, and others, plan 17-story office building; tower type, about 200 ft. high; $500,000; Claude H. Lindsley, Archt., Lamar Life Bldg.; plans drawn. 1-17

Miss., Jackson—Enochs & Flowers, Ltd., Edwards Hotel Bldg., and others, promoting erection of 20-story building; $1,000,000.

Mo., Kansas City—Sheidley Estate, care E. S. Guignon, 101 Sterling Bldg., Eighth and Walnut Sts., erect store and office bldg., Ninth and Main Sts.; McKechnie & Trask, Archts., Bd. of Trade Bldg.; F. L. Brown, Engr., Orear-Leslie Bldg.

Mo., Kansas City—Wm. H. Hall, Hall Bldg., considers erecting office bldg., 1309 Grand Ave.; architect not selected.

Mo., Kansas City—Tower Building Co., care A. C. Wiser, Archt., R. A. Long Bldg., reported, having plans drawn for 13-story office building, Ninth and Walnut Sts.

Mo., St. Louis—Albert Wenzlick Real Estate Co., Delbert S. Wenzlick, Vice Pres.-Treas., 1010 Chestnut St., considers erecting $2,500,000 office bldg., 11th and Chestnut Sts.; tentative plans drawn for 37-story setback type structure; site 106x104 ft.; would be called Wenzlick Tower Bldg.; decision awaits selection by Government of site for Federal building.

Tenn., Knoxville—C. Neil Bass, 1905 Acklen Ave., Nashville, and Knoxville, and Everett M. Clayton, 1927 Hillsboro Rd., Nashville, will call for bids about Feb. 15 for rein. conc. and brick James White Bldg., Church St. near Market St., for offices and garage; 6 stories, 128x143 ft., fireproof; Hart, Freeland & Roberts, Archts., Independent Bldg.; Roberts & Co., Conslt. Engrs., both Nashville. 10-18

Tex., Angleton—Angleton State Bank remodel bldg.; Carl A. Mulvey, Archt., Houston; plans completed.

Tex., Corpus Christi—Robt. Driscoll, Pres., Corpus Christi Trust Co., erect building, Leopard and Tancahua Sts.; moulded stone front, remainder rein. conc., 5 Corinthian columns, 1 story, 60x80 ft., American walnut fixtures; plans by R. J. Cummins, Bankers Mortgage Bldg., Houston, Conslt. Engr. for Navigation Comsn.

Tex., Liberty — First Liberty National Bank, B. G. Reviere, Pres., erect $50,000 building.

Churches

Ala., Jacksonville — First Baptist Church excavating for annex. Address The Pastor.

Ark., Batesville—First Presbyterian Church, Rev. R. E. Carroll, Pastor, rebuild structure noted burned at $50,000 loss.

D. C., Washington—Christ Church, Rev. E. P. Wroth, Pastor, 3112 O St. N. W., erect $25,000 Sunday school addition; brick and terra cotta, 2 stories; W. C. Peter, Archt., Union Tr. Bldg.

Fla., Miami — Beth David congregation, Israel H. Weisheld, Rabbi, erect Sunday school.

Ga., Atlanta—Peachtree Christian Church erect $30,000 Sunday school and gymnasium; brick and terra cotta, 3 stories, 86x75 ft., tar and gravel roof; Chas. H. Hopson, Archt., Healey Bldg. 1-17

Ga., Atlanta—St. James M. E. Church, 763 Hemphill Ave., Rev. A. Warwick, Pastor, erect $20,000 bldg.; brick veneer, 1 story and basement, comp. roof; Chas. H. Hopson, Archt., Healey Bldg.

La., New Orleans—Archconfraternity of St. Ann of New Orleans, auxiliary corp. to aid St. Ann Church to erect national shrine, or basilica, of St. Ann, will probably have plans drawn within 2 years for steel and stone, marble and granite structure; about $2,500,000. 8-11-27

La., Shreveport—Agudath Achim Congregation, Alex. S. Weissel, Rabbi, call for bids about 30 days for synagogue and community center building, Line Ave. and Herndon Sts.; $75,000, brick, stone trim, rein. conc. foundation, steel and iron work, sheet metal, built-up comp. roof; Seymour Van Os, Archt., City Bank Bldg.

Mo., Hickman Mills—Christian Church receives bids Jan. 30 for stone bldg.; 36x81 ft. and 30x60 ft., wood and Textile floors, stone foundation, wood shingle roof, $40,000; Hoener, Baum & Froese, Archts.-Engrs., 3605 Laclede Ave., St. Louis; following contractors estimating: C. H. Sechler, care J. C. Jones, Lees Summit; Widener & Patterson, 1312 E. 76th St.; C. W. Rice & Sons, Route 3, Box 243; Jas. F. Moore, Gloyd Bldg.; Geo. Cope & Son, 4900 Oak St.; Lishear Construction Co., 447 E. 55th St., all Kansas City; E. A. Rich, R. R. No. 1, Grandview; M. T. Colgan, 1702 Overton Ave., Independence. See Want Section—Building Material and Equipment. 12-13

Tex., Amarillo—West Amarillo Christian Church erect additional story to building; $35,000. Address The Pastor.

Tex., Dallas—Abbey Presbyterian Church, Dr. L. D. Young, Pastor, plans $1,000,000 to $2,000,000 church, apartment hotel, store and office building, site present structure, Harwood St. and Ross Ave.; 20 or more stories; raising funds.

Tex., Galveston—Central Christian Church, Rev. Garrett W. McGuiddy, Pastor, plans to start work about 2 weeks on first floor of bldg., 28th St. and Avenue Q½; additional stories later.

Tex., Houston—Clemens Memorial P. E. Church erect brick parish house; stone trim, 1 story, 28x87 ft.; also construct rein. conc. foundation for proposed auditorium; R. D. Steele, First Natl. Bank Bldg., Archt.; bids in.

Tex., Houston—South Main Baptist Church, T. J. Lawhon, Chmn., Bldg. Comm., ready for bids about 4 weeks to complete left wing of building; $150,000; foundation and ground floor completed; Hedrick & Gottlieb, Archts. Post-Dispatch Bldg.

Tex., Ky., Louisville — Messick Memorial and West Broadway M. E. Churches, South, receive bids Feb. 1 at office H. M. King, Archt., care Bd. of Extension of M. E. Church, South, 1115 S. Fourth St., for bldg., 3620 W. Broadway; $150,000, 63x140 ft., seat 800 to 1000. 8-2

Tex., Port Arthur—Congregational Church, Rev. Lynn Squires, Acting Pastor, Sixth St. and Mobile Ave., sell present structure and erect new building.

City and County

Ala., Birmingham—Jefferson County Court House Comsn., Oscar Wells, Pres., receives bids Feb. 25 for courthouse, Capitol Park; $3,000,000 to $3,250,000, fireproof, 8 or 9 stories, about 185x300 ft.; Holabird & Root, Archts., 333 N. Michigan Ave., Chicago, Ill.; Harry B. Wheelock, Asso. Archts., Steiner Bldg., Birmingham. 9-27

Ala., Center—Cherokee County Bd. of Commrs. at meeting Feb. 11 will consider proposition for new courthouse.

Ala., Gadsden—Etowah Post No. 1, American Legion, Dr. T. Y. Greet, member, interested in memorial municipal auditorium-community center.

Ala., Huntsville—Madison County Bd. of Commrs. may sell present jail and erect new structure.

Ala., Parrish—City Council considers erecting city hall.

Ark., Magnolia — Columbia County votes Feb. 2 on $55,000 bonds to repair courthouse and erect jail; conc. and steel, 2 stories; Emmett Atkinson, County Judge.

D. C., Washington—Bureau of Budget approved plan of District Commrs., Dist. Bldg., to purchase 2 blocks between Third and Sixth Sts., N. W., C St. and Judiciary Square for initial units of municipal center; tentative plans call for Police Court building; to submit bill to Congress.

La., Winnfield—Winn Parish Police Jury receives bids Feb. 11 for fireproof jail; rein. conc., brick, stone trim, 2 stories, rein. conc. foundation, struct. steel and iron work, sheet metal work, built-up comp. roof; Herman J. Duncan, Archt., 120 Murray St., Alexandria. 1-3

Miss., Clarksdale — City Council receives bids Feb. 5 for addition to Carnegie Library; $30,000 bonds voted. 1-10

Mo., St. Louis—Zoological Bd. of Control, F. W. Pape, Pres., construct 5 new sections to zoo, Forest Park; conc., limestone, rein. steel or metal lath; $25,000; John E. Wallace, Archt., Forest Park.

S. C., Gaffney—Cherokee County Bd. of Commrs. receive bids Feb. 5 for courthouse; $125,000, 2 stories and basement, 120x65 ft., steam heat; M. R. Marsh, Archt., Bldrs. Bldg. 11-29

Tenn., Knoxville—Knox County Court selected Manley & Young, 302 W. Church St., as architects for new bldgs. and remodeling work at poor asylum, Maloneyville.

Tex., Ballinger—City voted $187,500 bonds, including $35,000 city hall and fire station bonds. Address City Council.

Tex., Bryan—City, J. Bryan Miller, City Mgr., receives bids Feb. 12 for fireproof city hall; $55,000, brick and rein. conc., 2 stories and basement, 60x115 ft., conc. foundation, built-up roof; Giesecke & Harris, Archts., 207 W. Seventh St., Austin, and Second Natl. Bk. Bldg., Houston; plans ready about Feb. 1. 12-20

Tex., Fort Worth—City Park Bd. consider reconstruction work, Forest Park Zoo, at meeting Jan. 20.

Tex., Palestine—Anderson County Commrs.' Court, Judge Shelton, repair courthouse.

Dwellings

Ala., Gadsden—Gadsden Land and Building Corp., Judge Louis L. Herzberg, Pres., receives bids Jan. 30 for 450 operatives' cottages for employes of proposed plant of Goodyear Tire and Rubber Co., Akron, Ohio; weatherboard, 3 to 6 rooms each, brick curtain walls, comp. shingle roofs, cedar shingle gables, Crane tubs; Robert & Co., Inc., Archts.-Engrs., Atlanta, Ga.; E. S. Draper, Landscape Archt., Charlotte, N. C.; following contractors estimating: A. K. Adams & Co., 542 Plum St., N. W., Atlanta; Batson-Cook Co.; West Point Iron Works, both West Point, Ga.; Townsend Lumber Co., Anderson, S. C.; T. C. Thompson & Bros., 609 N. Smith St., Charlotte, N. C.; Daniels Lumber Co., LaGrange; Algernon Blair, 11 S. Lawrence St.; A. C. Samford, Shepherd Bldg., both Montgomery, Ala.; R. H. Hamill Co., R. & P. Bldg., Huntington, W. Va.; Alabama Engineering and Construction Co.; C. G. Kershaw Contracting Co., Woodward Bldg., both Birmingham, Ala.; Home Builders Service Co., Chattanooga, Tenn. 1-3

Ala., Opelika—R. P. Wheeler erect stone and stucco residence; 2 stories and basement, conc. footings, wood joist, slate roof, steam heat; R. Kennon Perry, Archt., Wynne-Claughton Bldg., Atlanta, Ga.

Ala., Parrish — Northern Alabama R. R., subsidiary of Southern Railway System, B. Herman, Ch. Engr., Washington, D. C., plans 150 employes' dwellings.

Ark., Luxora—Three States Lumber Co., C. G. Smith, Manager, erect additional dwellings and school, connection with colonization work, west of Memphis-St. Louis Highway adjoining Burdette Plantation.

D. C., Washington — H. L. Breuninger, Archt., Colorado Bldg., completed plans for $14,000 dwelling, 7613 Morningside Drive, N. W.

D. C., Washington—Geo. N. Ray, 1219 Connecticut Ave., N. W., completed plans for $55,000 dwelling, 2406 Kalorama Road, N. W.

D. C., Washington — J. B. Tiffey, 1317 Emerson St., has permit for 4 brick and tile dwellings, 501-07 Oneida Place, N. W.; 2 stories; $27,000.

D. C., Washington—P. H. Willis, 3903 Alton Place, N. W., has permit for $10,000 brick residence, 4319 Reno Road, N. W.; 2 stories.

D. C., Washington—W. H. Hoffman, 927 15th St., N. W., erect 3 brick dwellings, 1859-63 Ingleside Terrace, N. W.; 2 stories; $28,000.

Fla., Lake City—W. H. Rowland erect residence, Five Points sub-division.

Ga., Atlanta — Judge John S. Candler, Candler Bldg., has low bid at $18,925 from J. L. Hiers & Son for residence; Ivey & Crook, Archts., Candler Bldg.

Ga., Atlanta—J. F. Baxter, 619 Linwood Ave. N. E., receiving bids for brick vencer residence; 2 stories and basement, hardwood and tile floors, slate roof; Jas. T. Mitchell, Archt., 140 Peachtree St.; following contractors estimating: Christian & Bell; L. E. Bennett, 934 Lullwater Rd.; W. J. Hern; T. R. Benning, Haas-Howell Bldg.; W. C. Gates.

Ga., Atlanta—Wm. D. Ellis, Jr., 598 Wells St., S. W., plans residence, Chatham Roads, Dora A. Sharp sub-division.

Ga., Atlanta—Marcus S. Baker, Jr., 157 Prado St., start work in few days on residence, Dora A. Sharp sub-division.

Ga., Atlanta—Maddox & Tisinger, Candler Bldg., erect 3 brick veneer dwellings, 1300 Morningside Drive, N. E., 546 Shannon Drive, S. W., and 783 Yorkshire Road, N. E.; 1 story; $23,500.

Ga., Forsyth—Mrs. Dorothy B. Alexander erect brick veneer residence; 1 story, hardwood floors, shingle roof; Dunwody & Oliphant, Archts., 460 Broadway, Macon.

La., New Orleans — J. W. Guillot, 4812 Prytania St., receives bids Jan. 31 for single raised brick veneer residence, Versailles Blvd. near Pritchard Place; $11,000; P. G. Charbonnet, Archt., 830 Union St.; following contractors estimating: Carl E. Woodward, Inc., Louisiana Bldg.; P. G. Charbonnet, 830 Union St.

La., New Orleans—R. B. Eskridge receives bids Jan. 25 at office Andry & Feitel, Archts., N. O. Bank Bldg., for alterations and additions to residence, 1327 Webster St.; following contractors estimating: Wm. E. Brogan, 2635 Octavia St.; Carl E. Woodward, Inc., Louisiana Bldg.; R. H. Kettringham, 1128 Jena St.

La., New Orleans—Theo. L. Perrier, Archt., Maritime Bldg., drawing plans for hollow tile dwelling, Metairie Club Gardens; ready for bids about 30 days; hollow tile, 2 stories, tile roof.

La., Shreveport—John Greer erect $35,000 residence, South Highlands; brick veneer, 2 stories; Clarence W. King, Archt., Giddens-Lane Bldg.; bids Jan. 19.

Md., Baltimore—Miller & Miller erect 7 frame dwellings, 2900 block Sylvan Ave.; $18,000.

Md., Baltimore—Benj. Kleiman, Wichita Ave. and Reisterstown Rd., erect 8 brick dwellings, 2300 block Wichita Ave.; 2-stories; $25,000.

Md., Baltimore—Columbia Construction Co., Munsey Bldg., erect 23 brick dwellings, 3300 block Mondawmin Ave.; 2 stories; $58,000.

Mo., St. Louis—W. H. Pape, Vice-Pres., Lammart Furniture Co., 911 Washington St., considers erecting residence, Picardy Lane; plans not made.

N. C., High Point—Highland Cotton Mill plans 50 employes' dwellings.

Okla., Tulsa—McCoy-Frye Construction Co., W. D. McCoy, 213 W. Fifth St., and C. E. Frye, 1239 S. Lewie Pl., has broken ground for 13 dwellings, White City.

Tenn., Knoxville—Hugh Goforth erect $15,000 residence, Scenic Drive.

Tenn., Knoxville—Mrs. A. H. Rector erect $13,000 residence, Woodbine Ave.

Tenn., Knoxville—O. D. Leonhardt erect $10,000 residence, Kenilworth Drive.

Tenn., Lookout Mountain—Fairyland Co. erect 30 dwellings; $250,000.

Tex., Austin—Dr. J. J. Brady, Littlefield Bldg., erect $11,000 residence, Travis Heights; brick veneer, 1 story and part basement, 53x53 ft., hardwood floors, tile bath, asbestos shingle roof, warm air heat; Edwin C. Kreisle, Archt., Scarbrough Bldg.

Tex., Beeville—Dr. L. N. Connally receives bids Jan. 28 for brick veneer residence; 1 and 2 stories, 2 baths, 8 rooms; Malcolm G. Simons, Archt., Bldrs. Exch. Bldg., San Antonio. 1-17

Tex., Dallas—J. J. McCook, Athletic Bldg., erect $12,500 residence, 4315 Beverly Drive.

Tex., Dallas—John A. Erhard erect $13,500 residence, 4305 Versailles St.

Tex., Dallas—W. T. Peterson erect 3 dwellings, 3509-13-17 Stanford St.; $15,000.

Tex., Fort Worth—Roger, Barber & Wilks erect $15,000 dwelling, Ward Pkwy. St.; brick veneer.

Tex., Fort Worth—Morgan E. McCaskey erect $14,000 brick veneer residence, 2800-02 Monticello St.

Tex., Fort Worth—Rogers B. Owings erect $10,000 brick veneer residence, 404 Virginia St.

Tex., Gonzales—Central Power and Light Co., Frost Bldg., San Antonio, erect brick and rein. conc. office building; 1 story, about 30x58 ft.; John M. Marriott, Archt., Frost Bldg.; Roy W. Leibsle, Asso. Archt., both San Antonio.

Tex., Houston—T. H. Monroe, 1308 Branard St., erect brick veneer residence, Kirby Drive, River Oaks; 2 stories; $25,000; Jos. Finger, Archt., Keystone Bldg.

Tex., Houston—J. M. Mitchell erect brick veneer residence, Westheimer Rd.; 2 stories, 10 rooms, about 25x80 ft., oak floors, conc. foundation, natural slate roof, $20,000; Thiel & Maddrey, Archts., Esperson Bldg.; bids in. 1-17

Tex., Houston—M. E. Boehm, Supt., Hughes Tool Co., 300 Hughes St., erect 2-story residence, Clear Lake; $25,000; Jos. Finger, Archt., Keystone Bldg.; drawing plans.

Tex., Houston—Max Block erect 10 frame dwellings, 3430 Calhoun, 1902-14 Napoleon and 3429-31 Thorp Sts., Houston St. Railway No. 4 addition; 4 rooms; $12,500.

Tex., Houston—Albert A. Bertelsen, 506 Rosalie St., erect $12,000 residence and garage, 1813 South Blvd.; brick veneer, 2 stories, 9 rooms.

Tex., Mercedes—Miss Mildred Bridges has low bid at $16,363 from H. J. Lawson for residence, garage and foreman's cottage; R. Newell Waters, Archt., Weslaco.

Tex., Nacogdoches—D. K. Cason erect $20,000 Colonial residence; brick veneer, 2 stories, 9 rooms; J. W. Northrop, Jr., Archt., Kirby Bldg., Houston; plans completed, bids by owner.

Tex., Progresso—H. A. Jensen, care Lloyd E. Mellor, Archt., Harlingen, erect $10,000 Spanish type residence, garage and servants' quarters; hollow tile and stucco, 1 story, 5 rooms, hardwood floors, tile roof.

Tex., San Antonio—Dave Lehr, 2525 Monterey St., erect $17,500 residence, 1510 W. Mulberry St.; 2 stories, 11 rooms; W. C. Thrailkill, Contr., Real Est. Bldg.

Tex., San Antonio—Dr. A. F. Herff, Med. Arts Bldg., receiving revised bids for residence, Terrell Hills; Herff & Jones, Archts., S. A. Loan and Tr. Bldg. 1-10

Tex., San Antonio—R. C. Ross erect $10,500 residence, Gramercy Place; 7 rooms.

Tex., San Antonio—Mrs. Ferdinand Herff, 122 E. Elmira St., has low bid at $18,996 from J. M. Oldham, 135 Porter St., for residence; Herff & Jones, Archts., S. A. Loan and Tr. Bldg.

Tex., Galveston—St. Marys Cathedral, Rev. Thos. A. Carney, Pastor, erect $50,000 priests' house; razing present structure; work start in about 3 weeks.

Government and State

Ala., Maxwell Field—War Dept., Washington, D. C., plans $220,000 non-commissioned officers' barracks and $100,000 air corps tactical school, Maxwell Field.

Hospitals, Sanitariums, Etc.

Ark., North Little Rock, Little Rock—Additional contractors estimating on acute building, U. S. Veterans Hospital, bids Jan. 29 by U. S. Veterans Bureau, Arlington Bldg., Washington, D. C.: N. P. Severin Co., 222 W. Adams St., Chicago, Ill.; J. T. Jackson Lumber Co., Lexington, Ky.; Price-Evans Foundry Corp., Anderson Ave., Chattanooga, Tenn.; Tom Willmoth, Camden, Ark.; V. Ray Gould Co., City Natl. Bank Bldg., Omaha, Neb.; D. C. Barnett, Box 353, Fort Smith, Ark.; Gordon Walker, Rector Bldg., Little Rock; M. J. O'Neil, 2639 University Ave., St. Paul, Minn.; Kimball Bros. Co., Council Bluffs, Iowa; Ray A. Phelps, Beloit, Wis.; W. P. Thurston Co., Inc., Richmond Tr. Bldg., Richmond, Va.; Henry Keidel & Co., Inc., 405 W. Redwood St., Baltimore, Md.; John Douglas Co., Union Tr. Bldg., Washington; Loftis Plumbing and Heating Co., 440 Marietta St., Atlanta, Ga.; Milliner Co., 1706 N. 12th St., St. Louis, Mo. 1-17

Ky., Lexington—United States Veterans Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., selected Lexington as location for $1,000,000 hospital for neuropsychiatric patients.

Mo., Lebanon—Lebanon Hospital has $50,000 bequest for bldg. Address Thos. W. Nadal, Pres., Drury College.

Miss., Jackson—Baptist Hospital, Wayne Allison, Supt., ready about Feb. 1 for bids on rein. conc., steel and brick addition; $50,000, 4 stories, steel and iron work, sheet metal work; J. M. Spain, Archt., Millsaps Bldg.

Miss., Sanatorium — Mississippi Travelers' Assn., Fred Mitchell, Gen. Chmn., Fund Comm., Meridian, raising $10,000 for unit at State Tuberculosis Sanatorium.

Mo., St. Louis—Jewish Hospital, Aaron Waldheim, Pres. of Bd., has gift of $150,000 from Mr. and Mrs. Mark C. Steinberg to erect David Eiseman Hospital for Chronic Invalids and Convalescents.

N. C., Asheville—Mission Hospital, Mrs. Wm. Redwood, Chmn., Bldg. Comm., probably call for bids within 6 weeks for red brick nurses' home, Woodfin St.; 3 stories, accommodate 65; kitchen and dining room; W. H. Lord, Archt., 17 Church St.; provided by bequest which also includes sum for maternity ward for which plans have not been drawn.

N. C., Gastonia—North Carolina Orthopaedic Hospital has $25,000 bequest for negro ward.

N. C., Oteen—United States Veterans Bureau, Frank T. Hines, Director, Room 764, Arlington Bldg., Washington, D. C., receives bids Feb. 26 for bldgs. and utilities, including roads, walks and drainage and demolition of 4 frame bldgs., U. S. Veterans Hospital; $670,000; 200 beds; work includes excavating, rein. constr., hollow tile, brick work, cast stone, marble work, floor and wall tile, iron work, steel sash, steel stairs with slate treads, slate, metal and built-up roofing, metal lathing, plastering, stuccoing, carpentry, handpower freight elevator, platform scales, metal weather strips, insect screens, window shades, painting, glazing, hardware; separate bids for plumbing, heating, elect. work, elect. elevators and refrigerating and ice making equipment; drawings from Constr. Div., Room 764. 12-20

Tex., Laredo—Sisters of Mercy raze present north wing and erect new building, Mercy Hospital; M. S. Ryan, Archt., Laredo; W. E. Simpson & Co., Engrs., Natl. Bank of Commerce Bldg., San Antonio; work on south wing nearing completion. 5-31

Hotels and Apartments

Ala., Gadsden—Following contractors estimating on $500,000, 10-story, rein. conc., steel, brick and stone trim hotel, 7th Ave. and Broad St., for A. P. Reich Hotel Co., Inc., bids Jan. 28; A. J. Krebs Co., Walton Bldg., Southern Ferro Concrete Co., 70 Ellis St. N. E., both Atlanta; Algernon Blair, 11 S. Lawrence St., Montgomery; J. F. Holley, Ensley; O. M. Gwin Construction Co., Union Indemnity Bldg., New Orleans; L. W. Hancock, Louisville Tr. Bdlg., Struck Construction Co., 147 N. Clay St., both Louisville; Angle-Blackford Co., 417 American Exch. Bk. Bldg., Greensboro; W. L. Coston, Bessemer; T. S. Moudy & Co., Chamberlain Bldg., Mark K. Wilson Co., Power Bldg., both Chattanooga; Clemmer Noah Construction Co., Akron, Ohio; E. G. Holladay Co., Martin Bldg., Day & Sachs, 2400 Ave. E., Foster & Creighton Co., First Natl. Bk. Bldg., Smallman Construction Co., 1109 Fifth Ave. S., all Birmingham; Rock City Construction Co., 150 Fourth Ave. N., Nashville; Seaboard & Southern Construction Co., Hildebrandt Bldg., Fred T. Ley & Co., Inc., Consolidated Bldg., both Jacksonville, Fla.; D. O. Whilldin, Archt., 515 N. 21st St., Birmingham. 1-17

Ark., Bald Knob—J. Collison erect 50-room hotel.

La., Grand Isle—John Ludwig plans hotel at gulf resort.

Mo., Columbia — Pierce Petroleum Corp., Edward D. Levy, Pres., 1709 Locust St., St. Louis, plans hotels at Columbia; Rolla and Miami or Vinita, Okla., Abrey Station near Tulsa, Okla. See Contracts Awarded Buildings—Mo., Springfield.

Mo., St. Joseph—Plaza Apartment Building Corp., A. K. O'Brien, V.-P., St. Louis, reported, erect $950,000, 10-story, 120x110 ft., rein. conc., brick, rein. conc., ornamental stone trim, 110-apartment hotel to be known as The Plaza, 12th and Francis Sts.; 60-car garage.

Mo., St. Louis—Fourmen Realty Co., Sam Goldstein, Pres., erect $1,000,000, 8-story hotel and department store building, Hamilton and Easton Aves.; basement, first and second floors for department store; upper floors, 220 hotel rooms; Leo F. Abrams, Archt., Chemical Bldg.

Okla., Rolla—Pierce Petroleum Corp. See Mo., Columbia.

Tenn., Johnson City—Southwest Apartment Co., Inc., J. W. Ring, Pres., soon let contract for $100,000, 3-story, semi-fireproof, 29-

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apartment to replace Montrose Court Apt. destroyed by fire. 11-22

Tenn., Knoxville—Kerbela Temple of the Shrine, J. L. Deaver, 1818 Melrose Ave., member operating committee, plans redecorating and improving Whittle Springs Hotel.

Tenn., Memphis — J. L. White and Leo Goodman, 1898 Autumn St., have permit for five 2-story brick veneer apartments, 665, 673, 683, 693 and 701 E. Parkway; $10,000 each.

Tenn., Nashville—W. E. White, 10 S. Second St., erect two 2-story and basement, brick veneer apartments, Poplar Ave. west of Granville place; $25,000; tile and comp. roof, oak floors, cast stone trim, steam heat.

Tex., Houston—Carl Bradford has permit for $10,000, 4-apartment, 6532 Avenue E.

Tex., Lubbock—Dr. Sam H. Stewart has permit for $17,500 apartment.

Tex., Luling—Chamber of Commerce promoting erection $175,000, 60-room hotel.

Tex., Madisonville—Anglo-American Investment Co., Houston, financing $20,000 brick and conc., 20 to 25 room hotel on Main St.

Va., Petersburg—Fred P. Fox, 793 Broadway, New York, and associates, have plans by Peebles & Ferguson, Law Bldg., Norfolk, for $250,000, 3-story and roof garden, fireproof, 42-apartment, Fillmore and Jefferson Sts. 11-1

Va., Richmond—Colonial Investment and Mortgage Co. has permit for $50,000, 3-story, 52x120-ft. 18-apartment, 2618 Idlewood Ave. between Mulberry and Robinson Sts.; Max E. Ruehrmund, Archt., 803 E. Main St.

Va., Roanoke—New Hotel Corp., Liberty Trust Bldg., receives bids Jan. 28 for 10-story, 130-room rear addition to Hotel Patrick Henry; Frye & Stone, Archts., MacBain Bldg. 5-31

Miscellaneous

Ala., Birmingham — Mountain Brook Estates, Mountain Brook Land Co., Jemison & Co., 221 N. 21st St., erect $200,000, 3-story and basement brick, rein. conc., stucco and stone clubhouse; 295 ft. long, slate or tile roof, steam heat; Aymar Embury, II, Archt., 150 E. 61st St., New York; Miller & Martin, Asso. Archts., Title Bldg., Birmingham.

Ala., Birmingham—Rocky Ridge Golf and Country Club, F. E. Mackle, Pres., Farley Bldg., soon let contract for $30,000, 1-story clubhouse.

Md., Baltimore—Methodist Episcopal Home for Aged, Fulton Ave. and Franklin St., Mrs. Hamilton Easter, Pres., Woman's Bd., having plans prepared by O. Eugene Adams, 516 N. Charles St., for $300,000 fireproof building, Rogers, Prospect, Euclid and Sharon Aves., Mount Washington. 6-14

Okla., Tulsa—S. E. Vance, 1424 S. Elwood St., and W. F. Tucker, First Natl. Bk. Bldg., plan building, S. Main and Eighth Sts.

Okla., Tulsa—Oklahoma Amusement Co., B. B. Harris, Pres., 318½ N. Greenwood St., having plans prepared by Smith & Senter, Philtower Bldg., for amusement park on Sheridan road; $500,000, main building 100x338 ft., gymnasium, bowling alleys. 1-10

Tenn., Chattanooga—H. M. Lofton remodel and install fixtures in basement Provident Bldg. for rathskellar; $50,000; S. V. Wells, Engr.

Tex., Dickinson—H. J. Wiegand, Chmn. Comm. promoting erection community center.

Railway Stations, Sheds, Etc.

Tex., San Antonio—Southern Pacific Lines, A. L. Zimmerman, Div. Engr., plans freight depot, Salado and Monterey Sts.

W. Va., Charleston—Chesapeake & Ohio Rwy. Co., C. W. Johns, Ch. Engr., Richmond, Va., construct ramp on South Side passenger station; bids in.

Schools

Ala., Gadsden—Bd. of Education, C. A. Donehoo, Supt., call for bids in about 6 weeks for two 8-classroom elementary schools; A. D. Simpson, Archt. 1-10

Ala., Montgomery—Woman's College of Alabama, Dr. Walter D. Agnew, Pres., erect 2-story and basement, 106x51 ft., rein. conc., steel, brick, limestone trim Houghton Memorial Library; Frank Lockwood, Archt., 119 Adams St.; bids in Jan. 24. 7-26

Ala., Opelika—Bd. of Education receives bids Feb. 14 for two 1-story and basement, brick, 8-classroom auditorium and cafeteria grammar schools; $100,000; comp. roof, hardwood and conc. floors; Lockwood & Poundstone, Archts.; Edw. F. Billie, Asso. Archt., both Forsyth Bldg., Atlanta, Ga. 1-3

Ark., Freeport—School Bd., O. A. Fleming, Supt., plans $90,000 high school.

Ark., Heber Springs—Heber Springs Special School Dist. Trustees receive bids Jan. 26 for $30,000 high school.

D. C., Washington — District Commrs., Room 509 District Bldg., has low bid at $166,534 from C. A. Hofferberth Construction Co., 21 O St., N. W., for 8-room addition to Raymond School; Roland E. Brennan, Ch. Clk., District Engineer Dept. 1-10

Ga., Atlanta—Chi Psi Fraternity, Wm. A. Fuller, Chmn., Bldg. Comm., Healey Bldg., having plans prepared by Pringle & Smith, Norris Bldg., for $35,000, 2-story and basement, brick veneer frat house; comp. shingle roof, ahrdwood and tile floors, stone trim, steam heat.

Ga., Augusta—Richmond County Bd. of Education plans several schools; considering bond issue.

Ga., Hapeville—Fulton County Bd. of Education, Jere Wells, Supt., Fulton County Courthouse, Atlanta, receives bids Feb. 5 for $50,000, 1-story and basement, brick, 12-classroom and auditorium elementary school; comp. roof, hardwood and conc. floors; plans from Hentz, Adler & Schutze, Archts., Candler Bldg., Atlanta; following contractors estimating: W. P. Francis, 201 Luckie St., N. W.; Yost Construction Co.; Wagar & Co., Inc., Norris Bldg.; H. W. Oliver, Silvey Bldg.; J. F. Higdon, Silvey Bldg.; Crockett & Pew, Red Rock Bldg.; Padgett-Sutton Co., J. S. McCauley & Co., Shelverton Construction Co., all Bona Allen Bldg.; Collins, Holbrook & Collins, Atlanta Tr. Co. Bldg., all Atlanta. 1-10

La., Baton Rouge—State Bd. of Education, T. H. Harris, Supt., receives bids Feb. 6 for two $90,000, 2-story, rein. conc., brick, cast stone trim dormitories at State School for Deaf; plans at office Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans; following contractors estimating: W. J. Quick, Pere Marquette Bldg.; J. V. & R. T. Burkes, New Orleans Bank Bldg., both New Orleans; P. Olivier & Son, 114 Bilbo St., Lake Charles; L. W. Eaton, 1001 N. Boulevard; A. C. Stewart, 810 E. Boulevard; The Burkes Co., all Baton Rouge; E. E. Rabalais, Bunkie; Tudor & Ratcliffe, Alexandria. 1-10

La., Shreveport—Caddo Parish School Bd. receives bids Feb. 1 for 1-story brick school in Broadmoor; Edw. F. Neild, Archt., City Bk. Bldg. 11-22

Md., Baltimore—Johns Hopkins University receives bids Jan. 31 for $350,000 to $400,000, 6-story, 150x58 ft., brick physics building; Wyatt & Nolting, Archts., Keyser Bldg. 7-21-27

Miss., Clarksdale—Bd. of Education, H. B. Heidelberg, Supt., receives bids Feb. 5 for $250,00, rein. conc., brick, stone trim junior high school; plans from P. J. Krouse, Archt., M. & W. Bldg., Meridian. 1-17

Miss., Jackson—Millsaps College, Dr. D. M. Key, Pres., plans 2 dormitories.

Miss., Porterville—Porterville School Dist. No. 2, Kemper County, voted $40,000 bonds for consolidated school. Address Dist. School Trustees. 11-22

Mo., St. Joseph—Bd. of Education plans installation manual training equipment in Senior and Junior High School; Wm. B. Ittner, Archt., Bd. of Education Bldg., St. Louis. 12-6

Mo., St. Louis—Washington University, D. R. Throop, Chancellor, reported, having sketches prepared for $500,000, 3-story and basement, rein. conc., brick and stone, student union building.

Mo., St. Louis—Bethlehem Evangelical Lutheran Church, 2144 Salisbury St., having sketches prepared for $150,000 brick school, Salisbury near Florissant St.

Mo., Webster Groves, St. Louis—Archdiocese of St. Louis, Rev. John J. Glennon, Archbishop, soon start work on $1,400,000 Boys' Preparatory Seminary on Kendrick Seminary grounds; plans by Henry P. Hess, Ambassador Bldg., call for Spanish monastic architecture, tower in center of main facade 160 ft. in height will carry dome of polychromatic tile, exterior walls of brick with Bedford stone trim, tile roofs, interior walls of chapel decorated with terra cotta tile, columns of marble and tile ceiling of acoustistruct. tile, auditorium to seat 400 people, 2 play halls 106x39 ft., first floor for parlors, offices, dining rooms, kitchen, classrooms, laboratories and libraries; second and third for dormitories.

N. C., Bessemer City — Bessemer City Graded School Dist. voted $40,000 bonds to erect school. Address Dist. School Trustees. 12-20

N. C., Raleigh—Wake County Bd. of Eudcation rejected bids for 2-story, brick, 12-room Wakelon High School to replace burned structure; new bids Jan. 24; J. M. Kennedy, Archt., Gilmer Bldg. 1-3

Tenn., Crossville—Cumberland County Bd. of Education, J. S. Cline, Supt., erect high school; $75,000 bonds voted.

Tenn., Jasper—Marion County votes March 5 on $225,000 bonds; erect high schools at Whitwell and South Pittsburgh; repair and enlarge high school at Jasper; J. G. Gauntt, Archt., 1319 Hamliton Natl. Bk. Bldg., Chattanooga. 1-3

Tenn., South Pittsburg—See Tenn., Jasper.

Tenn., Whitwell—See Tenn., Jasper.

Tex., Beaumont—Bd. of Education has low bid at $96,500 from Myers, Knight & Holland for additions to Pennsylvania, Junker, Magnolia and Millard schools; heating and plumbing, $21,000, Dyer Plumbing Co.; Livesay & Wiedemann, Archts., San Jacinto Life Bldg. 12-27

Tex., Bryan—Bd. of Education receives bids Feb. 12 for $75,000, 2-story, 70x166 ft., brick, 12-classroom, gymnasium and cafeteria primary school and for $30,000 addition to 2-story, 50x70 ft., brick West Side primary school; plans from Giesecke & Harris, Archts., 207 W. 7th St., Austin, and 513 Second Natl. Bank Bldg., Houston. 12-20

Tex., Dickinson—School Bd., L. L. Porter, Supt., plans $60,000 high school.

Tex., Galveston—City plans vote in February on bonds for school improvements. Address Bd. of Education.

Tex., Houston—Bd. of Education, H. L. Mills, Bus. Mgr., approved plans by Harry D. Payne, Kirby Bldg., for $80,000, brick, limestone trim Colonial type Chevy Chase School; $80,000, brick, limestone trim, English design, Forest Hill School; $65,000, stucco, limestone trim, French colonial type River Oaks School; slate roofs; also approved plans by Lamar Q. Cato for 12-room addition to George Washington Jr. High School.

Tex., Houston—Bd. of Education, H. L. Mills, Bus Mgr., receives bids Jan. 29 for 3-story, 55x97 ft., 25-classroom and auditorium, rein. conc., hollow tile, brick, stone trim addition and alterations to Phillis Wheatley Colored School and classroom and auditorium addition to Harper Colored School; plans for former from H. D. Payne, Archt., Kirby Bldg.; latter, Hedrick & Gottlieb, Archts., Post-Dispatch Bldg. 11-8

Tex., Portland—Town considering vote on $15,000 bonds for school building. Address School Bd.

Tex., San Benito—San Benito School Dist., F. N. Booth, Pres., reported, erect $200,000, 2-story high school.

Va., Ceres—Bland County Bd. of Supervisors, Bland, erect high schools at Ceres and Rocky Gap; $7000 each.

Va., Luray—Luray Magestrial Dist. plans vote in May on $150,000 bonds for school building. Address Dist. School Trustees. 1-17

W. Va., Parkersburg—Bd. of Education, J. E. Echols, Pres., has low bid at $397,500 from P. R. Lewis, Coshocton, Ohio, for junior high school; will either revise plans for building to bring within $400,000 or ask bond issue of $200,000 additional; Warne, Tucker, Silling & Hutchison, Archts., Masonic Temple, Charleston; T. T. Stansbury, Asso. Archt., Guaranty Bldg., Parkersburg. 4-19

W. Va., Shepherdstown — Shepherdstown School Dist. Trustees rejected bids for $40,000 high school; having plans revised. 11-15

Stores

Ala., Heflin—R. Meacham & Co. erect brick store.

Ala., Tuscaloosa — Charles Temerson & Sons erect $25,000, 2-story brick storage building, 24th St. and 21st Ave.; provide 2 tracks for street cars, 2 electric shears to be used for cutting iron.

Ala., Birmingham—Mrs. Catherine Irvine and Jennie Wright have permit for remodeling building, 19th St. and First Ave.; $31,945.

D. C., Washington—Harvey H. Warwick, 1116 Vermont Ave., N. W., prepared plans for 3 stores, 805-09 Monroe St., N. E.; $12,000.

Ga., Atlanta—Dougherty Estate soon call for bids for interior and exterior improvements to 4-story, rein. conc. and brick building on Central Ave., S. W.; Jas. T. Mitchell, Archt., 140 Peachtree St., N. E.

Ky., Paducah—W. F. Bradshaw remodel buildings, 219-23 Broadway, to be leased to Montgomery Ward & Co., Chicago; Ray Black, Contr., 1629 Monroe St.

La., New Orleans—Pan-American Petroleum Corp., Masonic Temple Bldg., soon call for bids for 1-story, 52x36 ft., rein. conc. and brick store, St. Charles Ave. and Felicity St.; built-up comp. roof.

Md., Baltimore—Abram Eisenberg, 213 W. Lexington St., remodel building, Howard and Mulberry Sts.; $12,000; Smith & May, Archts., Calvert Bldg.

Md., Cumberland—E. V. Coyle Furniture Co., 10-14 N. Mechanic St., remodel store, 45 Baltimore St.

XUM

Mo., Kansas City — Kansas City Flower Market, C. J. Nichelson, Pres., 1014 Oak St., plans 2-story brick store and office, 1007-9 Oak St.

Mo., Poplar Bluff—Fay D. Bacon plans additional story to and remodel Bacon Bldg., Broadway and Cedar Sts., to be occupied in part by Dalton-Baldwin Furniture Co.

Mo., St. Louis—Fourmen Realty Co. See Buildings Proposed—Hotels and Apartments.

Tenn., Kingsport—Dr. E. W. Tipton remodel 2-story building, 204-06 Broad St., to be leased to The Charles Stores Co., Inc., 370 Seventh Ave., New York.

Tex., Amarillo—J. G. Wayland, Amarillo Bldg., erect $25,000, 1-story, 60x140 ft., brick store, 723-27 Polk St.

Tex., Beaumont—Sam Fertitta, 340 Alexander Bldg., remodel Temperance Bldg.; first floor for stores ,second and third for hotel purposes; $50,000.

Tex., Dallas—Kirby Investment Co. has permit for repairs to terra cotta front, 1503 Main St.; $10,000.

Tex., Dallas—Skillern & Sons, Rae Skillern, Pres., announced expansion program for 1929 and 1930 to include putting into operation 9 drug stores; fixtures and equipment for 2 stores to open March 15 to cost $75,000; take over Ideal Pharmacy, Forest and Colonial Aves., remodel and refurnish; open store No. 13 in Oak Cliff Medical Arts Bldg.; Store No. 14 to be built at Lemmon and Oak Lawn Aves.; open store in Wilson Bldg., Main and Ervay Sts., to contain 6000 sq. ft. floor space.

Tex., Dumas—R. C. Anthony erect store and filling station, Dumas Ave. and Andrews St.

Tex., Fort Worth — Bryce-Bennett-Modlin has permit for $20,000 brick store, 810 Mason St.

Tex., Houston—Roy Rowell, 510 Waugh Dr., has permit to erect drug store, cafe and filling station, Waugh and Buffalo drives; 115½x160 ft.

Tex., San Angelo—The McLellan Stores Co., 455 Seventh Ave., New York, erect 2-story, 50x100 ft. store; D. L. Williams, construction foreman for company.

Tex., Uvalde—Mrs. J. F. Simpson and Judge I. L. Martin soon let contract for 1-story, tile, conc. and brick store; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio.

Va., Hopewell—M. C. Cornez erect $75,000, 2-story, 100x100 ft., brick, conc. and steel store and apartment building on site of Stewart Bldg. destroyed by fire.

Va., Norfolk—S. S. Kresge Co., Detroit, receives bids Jan. 29 at office Div. Supt. Munroe, Monticello Hotel, Norfolk, for $60,000, 4-story, 65x100 ft. fireproof building, Monticello Ave. and Tazewell St.; plans on file at Builders & Contractors Exchange, Arcade Bldg., Norfolk; following contractors estimating: W. T. Gregory, Law Bldg.; J. L. Abbitt, 607 Board of Trade Bldg.; D. N. Morrison Construction Co., Inc., Law Bldg., all Norfolk; Frank L. Wagner, Inc., 1336 New York Ave., N. W.; W. E. Mooney, 2525 Pennsylvania Ave., N. W., both Washington, D. C.; Minton-Scobell Co., 679 The Arcade, Cleveland, O.; Consolidated Engineering Co., 20 E. Franklin St., Baltimore; Turnbull & Cornell, 15 S. 21st St., Philadelphia. 1-3

Theaters

Md., Baltimore—Dunbar Amusement Co., W. Carr, Sec., 619 N. Central Ave., soon call for bids for 1-story brick and steel addition to Dunbar Theater; J. F. Dusman, Archt.-Engr., 213 N. Calvert St.

Mo., Kansas City—Strand Theaters, Emporia, Kan., reported, erect $225,000, 2-story and basement theater; Boller Bros., Archts., 114 W. 10th St.

Tenn., Memphis—C. D. Peeples, 148 Madison St., soon let contract for $40,000 brick and stone, fireproof theater on Summer Ave., in Highland Heights, to be leased to Alfred and Albert J. Suzore, 753 N. Dunlap St.; seating capacity 1000; 2 stores on each side arcade entrance; Claude Northern, Archt., Fidelity Bank Bldg. 10-4

Tex., Burkburnett—R. H. McFarlane soon start excavating for Liberty Theater; brick, conc. and tile.

Tex., El Paso—Crawford Theaters, L. M. Crawford, Mgr., reported, remodel and erect addition to theater; new mechanical equipment; $125,000.

Tex., Mexia—Dent Theaters, Inc., 2009½ Jackson St., Dallas, erect theater, Palestine and Sherman Sts.

Va., Charlottesville — Enterprise Theater Corp., Sol Rosenberg, Pres., having plans prepared by Milburn Heister & Co., Hill Bldg., Washington, D. C., for $300,000, 2-story, Moorish style theater, Main and 15th Sts.; seating capacity 1590.

Warehouses

Fla., Orlando—McDonald Tractor Equipment Co., H. L. McDonald, Pres., erect 60x135-ft., conc. block and steel building; tin or built-up roof, conc. floors. See Want Section—Miscellaneous.

Fla., Tampa—Tampa Brokerage Co., Hugh S. Dawson, Pres., 1201 Twiggs St., plans rebuilding warehouse, 1225 E. Madison St., noted damaged by fire at loss $60,000. 1-17

Mo., Kansas City—J. G. Peppard Seed Co., 1101-17 W. Eighth St., soon let contract for 3-story addition.

Tex., Dallas—McCray Refrigerator Sales Corp., Kendallville, Ind., B. F. Rhodes, Local Mgr., 2038 Commerce St., plans branch warehouse.

Tex., San Saba—J. W. Bradley, Dublin, and associates, interested in erection bonded wool warehouse.

Tex., Wichita Falls—Tarry Warehouse & Storage Co., J. P. Tarry, Pres., 1507 Lamar St., erect $60,000, 3-story and basement, 50x130-ft. warehouse, 11th St. and Ohio Ave.; 22,750 ft. floor space; bids in.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Mo., St. Louis—Young Men's Christian Assn. Bd. of Directors let contract to Wilkins & Philippi, American Tr. Bldg., for dormitory addition to Railroad Branch; fireproof, 4 stories and basement, 40x70 ft., conc., terrazzo floors, comp. roof; LaBaume & Klein, Archts., American Tr. Bldg.; pouring footings. Address P. A. Philippi, care Contrs. See Want Section—Building Material and Equipment.

Bank and Office

Ga., Columbus—Tom Houston Peanut Co. let contract to Williams Lumber Co., Inc., 13th St., for office building; brick, tile and rein. conc., 1 story, basement and tower, 80x64 ft., steel joists, built-up roof, warm air heat; T. Firth Lockwood, Archt., Murrah Bldg. 10-11

Mo., St. Louis—Central National Bank, 307 N. Seventh St., alter 15-story bldg.; $35,000; G. B. Franklin, Archt., Kansas City, Mo.; Wimmer Contracting Co., Contr., Victoria Bldg.

N. C., Greensboro—Jefferson Standard Insurance Co. remodel brick building for stock brokerage office; $22,000; furnishings, equipment, etc., $2000 to $3000; C. C. Hartmann, Archt.; Geo. W. Kane, Contr., both Jefferson Bldg. 1-17

Okla., Seminole—First State Bank let contract at $20,000 to Paul E. Meeting for addition; brick and conc., 2 stories, oak floors, gum and pine finish, asphalt shingle roof, steam heat.

Okla., Tulsa—Waite Phillips, Atlas Life Bldg., let contract to Ruck-Brandt Construction Co., Mid-Continent Bldg., at $29,435 for excavation, foundation and basement walls for 5-story, basement and sub-basement store and office building, Fifth St. and Boston Ave.; excavation sub-let to W. M. McMichael, Atlas Life Bldg.; $1,000,000, foundation to carry 7 additional stories, 150x140 ft., granite base, buff brick facing, terra cotta trim, 6 passenger and 1 freight elevator; stores on first 2 floors; Smith & Senter, Archts., Philtower Bldg. 12-27

Tex., Houston—Algonite Stone Manufacturing Co., 4604 Chippewa St., St. Louis, Mo., has orna. and Caen stone contract for banking and safe deposit rooms in $4,500,000 Gulf Bldg.; Alfred C. Finn, Archt., Bkrs. Mortgage Bldg.; Kenneth Franzheim, 345 Madison Ave., and J. E. R. Carpenter, 589 Madison, both New York, Consit. Archts.; American Construction Co., Contr., Gulf Bldg., Houston. 1-10

Tex., San Antonio—Central Trust Co., 313 E. Houston St., let contract at $25,921 to R. C. Shane, Bldrs. Exch. Bldg., to remodel building; Robt. B. Kelly, Archt., Milam Bldg.; Beretta-Stiles Co., Inc., Engrs., Natl. Bank of Commerce Bldg. 1-10

Churches

D. C., Washington—Protestant Episcopal Cathedral Foundation, Mount St. Albans, Rt. Rev. Jas. E. Freeman, D. D., Bishop of Washington, erect $150,000 school; rein. conc., steel and rubble stone, 120x80 ft., 4 stories; Cram & Ferguson, Archts., 248 Boylston St., Boston, Mass.; Chas. H. Tompkins Co., Contr., 1008 K St., N. W., Washington.

City and County

La., Shreveport—City Comsn. let contract at $41,280 to Dixie Heating & Ventilating Co., Houston, Tex., for heating and ventilating for $500,000 municipal auditorium under constr.; plumbing, Wessell Plumbing Co., 719 Milam St., Shreveport, at $26,100; sprinkler system, Texas Automatic Sprinkler Co., Bankers Mortgage Bldg., Houston, at $3580; Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg.; Seymour Van Os, Asso. Archt., Merchants Bk. Bldg.; Glassell-Wilson Co., Contr., 501 Texas St., all Shreveport. 1-10

Tenn., Memphis—City Comsn. let contract at $15,847 to F. J. Ozanne & Co., Empire Bldg., for fire station, 832 Mississippi Blvd.; brick, 2 stories, 27x75 ft., conc. floors, comp. built-up roof; Regan & Weller, Archts., Dermon Bldg. 8-9

Tex., Kermit — Winkler County Bd. of Commrs., S. M. Hailey, County Judge, let contract at about $200,000 to C. S. Oates & Son, 2241 S. Eighth St., Abilene, for courthouse and jail; brick, tile, stone and rein. conc., 4 stories, about 98x51 ft., cast stone, struct. steel, metal windows and doors, metal lath and plaster, marble, conc. tile, terrazzo floors, fire escapes, elevator, metal furniture and filing equipment, Venetian blinds; David S. Castle Co., Archt., Alex. Bldg., Abilene. 1-3

Dwellings

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., erect $13,000 dwelling and garage, 2913 Glover Driveway, N. W., after plans by G. E. MacNeil, 1119 Seventeenth St., N. W.; frame, 3 stories; owners build. 1-10

D. C., Washington—L. E. Breuninger & Sons, Investment Bldg., erecting stone and stucco dwelling, 7613 Morningside Drive; 2 stories, 28x32 ft., hardwood floors, slate roof; Henry L. Breuninger, Archt., 7703 Thirteenth St., N. W.; owners build.

Fla., Frostproof—Ed Flood erecting $12,000 residence, Lake Moody; brick, 2 stories; Robertson Construction Co., Contr., Bartow.

Fla., Jacksonville—Frank M. LeGate, Pres., Jacksonville Sand Co., 30 Riverside Ave., completed foundation for $18,500 residence, Montgomery Place; brick veneer, Colonial type, 2 stories; Mellen C. Greeley, Archt.; W. T. Hadlow, Contr., both 32 W. Forsyth St.

Ga., Atlanta—Real Estate Trust Co., Auburn Bldg., erect 3 brick veneer dwellings, 669-74-99 Forrest Ave., N. E.; 1 story and basement, hardwood floors, tile baths, comp. shingle roofs, hot air heat; $13,000; owner builds.

Ga., Atlanta — Dr. Forrest M. Barfield, Healey Bldg., started work on residence, Andrews Drive and Chatham Road, Dora A. Sharp sub-division.

Ga., Atlanta—Harralson Co., 1058 Lanier Blvd., N. E., erect 3 dwellings, 1134 Mayflower Place, N. E., 1059 N. Virginia Ave., and 1024 Los Angeles Ave., N. E.; brick veneer, 1 story and basement, hardwood and tile floors, comp. shingle roofs, steam heat; $15,000; owner builds.

Ga., Atlanta—W. R. Thomas, 375 Mathewson Place, S. W., erect 2 brick veneer dwellings, 1696-1700 S. Gordon St., S. W.; 1 story and basement, hardwood floors, comp. shingle roofs, hot air heat; $10,000; owner builds.

Ga., Atlanta—Abbott & Anderson, Route 9, Box 101, erect 2 brick veneer dwellings, 1155 Princess Ave, S. W., and 1129 La Rosa Terrace S. W.; brick veneer, 1 story, 6 rooms and bath, hardwood floors, tile baths, comp. shingle roofs, hot air heat; $10,000; owner builds.

Ga., Miami Beach—Geo. W. Tubbs, 8355 Collins Ave., erect conc. block residence; 2 stories, L shape, 18x51 ft. and 12x35 ft.; A. Fraser Rose, Archt.; work by sub-contract.

Ga., Milledgeville—L. H. Jordan let contract for $18,000 residence to Jeff Alley, Clayton St., Macon; brick veneer and holow tile, tile baths, hardwood floors, slate roof, hot air heat; Claude Shelverton, Archt., Grand Bldg., Macon.

Ga., Waycross—Geo. D. Mikell erect residence, Williams St.; W. A. McCarty, Contr.

La., New Orleans—Miss Betty and Miss Julia Delaney erecet 2-story duplex, Robinson and Gen. Pershing Sts.; G. S. Horstman, Contr., 2127 Carondelet St.

La., New Orleans—Geo. Lupo, Contr., 4925 S. Tonti St., erect double dwelling, 4216-18 Derbigny St.

XUM

La., New Orleans—Otto C. Potts erect 2 double dwellings, Peach St. near Monroe St.; asbestos roofs; $10,000; John Davidson, Contr., 8500 Marks St.

Md., Baltimore—Frank Novak Realty Co., 33rd St., erect 85 dwellings, 3300 and 3400 blocks Dudley Ave., Herring Run Park section; $500,000.

Md., Baltimore—Arrow Real Estate Co., Inc., 600 S. Ponca Ave., erect 10 brick dwellings, 5429-47 Jonquil Ave., after plans by Adolph Dreyer, Baker Bldg.; 2 stories, 19x34 ft., hot water heat; $25,000; owner builds. 12-20

Md., Baltimore—Richard H. Dixon, Jr., 1042 N. Calvert St., erect 2½-story residence, Ellenham and Roxwood Rds., Ruxton; 11 rooms, 2 baths, 2-car garage; Peyton B. Strobel Construction Co., Contr., 206 E. Lexington St.

Md., Baltimore—John J. Kirkness, 4829 Reisterstown Rd., erect 30 dwellings, 4300 block Berger Ave., after plans by J. Geo. Wettich; 2 stories, 20x34 ft., Carey roofs, steam heat; $90,000; owner builds. 1-17

Md., Baltimore—James Keelty, 3529 Edmondson Ave., erect 11 brick dwellings, 800 block Woodington Ave.; 2 stories; $27,000; owner builds.

Md., Baltimore—John Welsh, 11 E. Fayette St., erect 18 brick dwellings, 3900 block Dolfield Ave., and 13 in 3200 block Normount Ave.; 2 stories; $78,000; Geo. Wessel, Archt.; 601 W. 40th St.; owner builds.

Miss., Columbus—E. W. Eubanks let contract for $12,000 residence to Badger & Badger; brick veneer, 1½ stories and basement, oak floors, comp. shingle roof, hot water heat; Geo. Mahan, Jr., Archt., Amer. Bank Bldg., Memphis, Tenn. 1-3

Mo., St. Louis—Queens Investment Co., 4533 N. Kingshighway, erect 6 brick dwellings, 4919-35 Hooke St.; 1 story, 26x35 ft., asphalt shingle roofs, hot air heat; $24,000; O. R. Sever, Archt., 4201 Alcott St.; C. Wilcox Construction Co., Contr., 4533 N. Kingshighway.

Mo., St. Louis—J. Miller, 5511 Finkman Ave., erect 5 brick dwellings, 5500 block Rhodes Ave.; 1 story and basement, 26x42 ft., hardwood floors, tile baths, stone foundations, comp. roofs; $40,000; work by subcontract.

Mo., St. Louis—Federer Development Co., Chas. Federer, 2510 Gravois St., erect 2 dwellings, 6410-14 Woodland Ave.; brick, 1 story and basement, 28x41 ft., hardwood floors, tile bath, asbestos shingle roof; $12,000; work by sub-contract.

Mo., St. Louis—J. W. Leigh, Archt., Rwy. Exch. Bldg., completed plans for 2 dwellings, Moorlands; brick, 2 stories and basement, 26x45.6 ft. and 55.6x25.5 ft., oak floors, tile baths, hot water heat, American Radiator boilers; work by sub-contract.

Mo., St. Louis—W. H. Edwards, care Chas. Mellert, Wainwright Bldg., erect $15,000 brick residence, Bel Nor; 2 stories and basement, 34x32 ft., hardwood and tile floors, tile baths, slate roof; ready for sub-bids about Feb. 1.

Mo., University City, St. Louis—Fred Finley, 7035 Amherst Ave., erect $12,000 brick residence, Yale Ave.; 2 stories and basement, 31x30 ft., hardwood floors, tile bath, slate roof, hot water heat; J. W. Teasdale, Archt., First Natl. Life Bldg.; Berkeley Construction Co., Contr., 6625 Delmar Blvd.

Mo., University City, St. Louis—B. S. Cornwell, Arcade Bldg., erect $10,000 brick residence, 7314 Stanford Ave.; 2 stories and basement, 26x32 ft., hardwood floors, tile bath, hot water heat, comp. roof; work by subcontract.

N. C., Winston-Salem—W. A. Marion, 2416 N. Liberty St., erecting 6-room residence, Patterson and 13th Sts., Bon Air.

Tenn., Memphis—M. Dlugach erect 2 brick veneer dwellings, University sub-division; 1 story and basement, 6 rooms, oak floors, comp. shingle roofs; $10,000; H. Dlugach & Co., Contrs., both 149 Madison Ave.

Tenn., Memphis—J. D. Scott, Empire Bldg., erect two $20,000 duplexes, Willett and Peabody Ave., and Peabody near Watkins St.; brick veneer, 2 stories and basement, tile and oak floors, tile roofs, steam heat; owner builds; also considers erecting $15,000 dwelling, Lombardi Drive; brick veneer, 1 story and basement, oak floors, tile roof, steam heat.

Tex., Beaumont — T. F. Rothwell, Pres., Young-Lee Oil Co., driving piles for $250,000 residence, Caldwood addition; fireproof, conc., steel, hollow tile and face brick, 3 stories and basement with ballroom on third floor, conc., oak and maple floors, masonry downstairs walls panelled in walnut, oak and birch, Heath cube walls, steel cabinets, struct. steel roof with nailcrete and matt tile, Kernerator, passenger elevator to ballroom; Russell Brown Co., Archts.-Contrs., 3104 Main St., Houston; landscaping by & Son, Archts., San Jacinto Life Bldg. 12-20

Contr.; interior decorating by Robt. D. Harrell, Beaumont, collaborating with Contr. 1-10

Tex., Coleman—Dr. F. M. Burke started work on $15,000 residence.

Tex., Harlingen—Chas. F. Mitsch erect 3 brick veneer dwellings, E. Pierce St.; $12,000; Hugh Ramsey, Contr.

Tex., Houston—Miss Linda Gieseke, 2317 Main St., erect $35,000 residence, 1215 Bissonnet St.; brick veneer, 10 rooms; L. W. Lindsay, Contr., Second Natl. Bank Bldg.

Tex., Houston—J. S. Sondack, care Sondock-McCane National Detective Agency, Post-Dispatch Bldg., erecting $25,000 residence, Blodgett and Jackson Sts.; brick, 2 stories, 10 rooms; Brickey, Wiggins & Gray, Archts.; Dalton Hooper, Contr.

Tex., San Antonio—Ed. J. Mitchell, Travis Bldg., erect 2 dwellings, 109-13 E. Rosewood St.; brick veneer and rock veneer, 7 rooms; $12,000; owner builds.

Tex., San Antonio—T. E. Barnes Lumber Co., 901 Victoria St., erect 16 frame dwellings, 1100, 1900 and 2000 blocks Cincinnati St.; $32,000; owner builds.

Tex., San Antonio—Chas. Roos, Jr., Moore Bldg., let contract at $13,998 to Mitchell Construction Co., Bldrs. Exch. Bldg., for brick veneer residence; 2 stories, 30x55 ft., oak floors, conc. foundation, Barrett Giant roof; Glenn C. Wilson, Archt., Milam Bldg.; Lilly-Drought, Engrs., Frost Bldg. 12-27

Va., Richmond—City Building Corp., Builders Exch. Bldg., completed plans for 3 dwellings, Westover Hills.

Va., Richmond—Muhleman & Kayhoe, Inc., completed foundations for 2 dwellings, Fauquier Ave., 2 in Stonewall Ct., 5 in 3400 block Hanover Ave. and 5 in Brookdale section; 2 of brick, remainder frame and stucco; 2 stories, about 24x30 ft., hardwood floors, slate roofs; $7500 to $11,000 each; W. H. Pringle, Archt., both 505 E. Franklin St.; all prices in.

D. C., Washington—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., let contract at $5,799,000 to James Baird Co., 1800 E St., N. W., Washington, for fireproof bldg. for Bureau of Internal Revenue; elevators not included; stone facing, limestone columns, 7 stories and basement, 450x400 ft.; $10,000,000; Trowbridge & Livingston, Archts., 527 Fifth Ave., New York; Edw. H. Bennett, Consit. Archt., 80 E. Jackson Blvd., Chicago, Ill.; foundation about completed. 12-20

Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, H. N. Williams, Army Medical Center, let contract at $1,056,765 to Virginia Engineering Co., Inc., 322 28th St., Newport News, Va., for isolation ward, Ward No. 3, alterations to third floor of administration building, garbage and root cellar, baggage and effects building, connecting corridors, roads, sidewalks, grading, water, sewer, elect. lines, etc., Walter Reed General Hospital; engineering by Contr. 12-27

Fla., Lake City—United States Veterans Bureau, Arlington Bldg., Washington, D. C., let contract at $53,337 to J. N. Raymond Construction Co. for alterations to Bldg. No. 4, U. S. Veterans Hospital. 12-20

La., New Orleans — Charity Hospital let contract to Thos. H. Brockman, Canal Bank Bldg., for alterations and additions to Miles Amphitheater, Tulane Ave.; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg. 1-17

Md., Baltimore—Hebrew Home for Aged, Levindale, and Hebrew Home for Incurables, Baltimore and Chester Sts., to merge and be called Hebrew Home for Aged and Infirm; work started on remodeling and enlarging building, Levindale, for incurables; $50,000, brick, conc. floors, 2 stories, slate roof, extend steam heating system; 65 beds; Jos. Evans Sperry, Archt., Calvert Bldg.; L. L. Chambers, Inc., Contr., 36th St. and Roland Ave.

N. C., Roaring Gap—Roaring Gap Hospital let contract to Walter R. Weaver, Jefferson, for $25,000 baby hospital; Northup & O'Brien, Archts., Starbuck Bldg., Winston-Salem; work started. 10-25

N. C., Winston-Salem—West End Plumbing & Heating Co., Burk Bldg., Winston-Salem, has plumbing contract for $250,000 Forsyth County Tuberculosis Hospital; Northup & O'Brien, Archts., Starbuck Bldg., Winston-Salem; Thos. B. Kidder, Consit. Archt., 155 E. 42nd St., New York; R. K. Stewart & Sons, Contrs., 154 S. Main St., High Point, N. C.; rein. conc. and brick, 1 and 2 stories, 695,000 cu. ft., conc. and hollow tile floors, tin roof over Celotex. 12-20

Tex., Beaumont—Jefferson County Bd. of Commrs. let contract at $65,996 to H. Jack Davis for addition to tuberculosis sanatorium; 2 wings of 10 rooms each, 2-story garage; remodel main bldg.; F. W. Steinman

Va., Charlottesville—Martha Jefferson Hospital, E. C. Richey, Supt., let contract to H. A. Lucas for $100,000 hospital, Locust Grove; fireproof, 60 beds; Johnson & Brannon, Archts., Peoples Bank Bldg., Lynchburg. 8-9

Hotels and Apartments

Ala., Thomasville—J. T. Kimbrell let contract to A. C. Spinks for $25,000 hotel on W. Front St.

D. C., Washington—Capital Construction & Investment Corp. erect $72,000, 2-story and basement, brick, 4-apartment; S. G. Wetmore, Archt., both Natl. Press Bldg.

Fla., Tampa—Leaton Irvin, Quincy, Ill., owner of Parkland Apartments, 3211 Swann Ave., erecting recreation center 70x20 ft., 34-car garage, provide tennis courts, play courts; $25,000; Shrigley & Dickman, Contrs., Tampa; A. Whitler, Archt., Quincy, Ill.

Ga., Atlanta—Mrs. M. C. Hanson, 1402 Morningside Ave. N. E., erect $25,000, 2-story and basement, 40x80 ft., 8-family, brick veneer apartment, 974 Greenwood Ave. N. E.; comp. roof, hardwood floors, tiled baths, steam heat; owner builds.

Ga., Atlanta—R. U. Kitchens, 909 Forrest Road, N. E., erect $25,000, 2-story and basement brick apartment, 1198 Fair St., S. E.; comp. roof, tile baths, hardwood floors, steam heat; owner, Archt.-Bldr.

Md., Baltimore—101 West Monument Street Corp., Wm. E. Harris, 11 E. Lexington St., has temporary permits for razing old Baltimore Museum of Art Bldg., Monument and Cathedral Sts., and for excavation for foundation of proposed $500,000, 12-story, brick, limestone trim apartment; Frederic A. Fletcher, Archt., 13 W. Franklin St.; Buckler & Fenhagen, Consit. Archts., 325 N. Charles St.; Consolidated Engineering Co., 20 E. Franklin St., probable Contr. 12-27

Miss., Hattiesburg—Cutler Mail Chute Co., J. T. Mann & Co., 319 Dryades St., New Orleans, La., has contract for mail chutes and Vogtman Metal Window Corp., Kalamazoo, Mich., metal windows on $500,000, 9-story hotel for Forrest Hotel Co.; O. M. Gwin Construction Co., Gen. Contr., Union Indemnity Bldg., New Orleans; Geo. D. Barnett, Inc., Archt., Syndicate Trust Bldg., St. Louis; E. C .Hearon & Son, Asso. Archts., 201 W. Pine St., Hattiesburg. 1-17

Mo., Kansas City—J. E. Dunn, Finance Bldg., erect 3-story brick hotel, 18th and Vine Sts.; W. A. Besecke, Archt., Huntzinger Bldg.; F. L. Brown, Consit Engr., Orear Leslie Bldg.; owner builds.

Mo., Maplewood, St. Louis—Home Realty & Building Co., 1120 Locust St., erect $20,000, 2-story, brick 4-apartment, 7305 Zephyr place.

Mo., Springfield—H. L. Schneider, F. C. Hermann, 536 South Ave., and associates let contract to L. J. Haenni, 3404 Overhill St., Dallas, Tex., for $750,000, 12-story and roof garden; 120x110 ft., stone, brick, terra cotta, fireproof, 250-room hotel, South Ave. and Pershing Way; 3 elevators; erect 2-story fireproof garage in connection. 1-10

Mo., Springfield—Pierce Petroleum Corp., Edward D. Levy, Pres., 1709 Locust St., St. Louis, Jesse A. Tolerton, Local Mgr., let contract to W. W. Johnson for $400,000 hotel and tourist cabin project on Glenstone road.

Tenn., Memphis—Ike Block, Dermon Bldg., soon start work on $50,000, 2-story and basement, 35x85 ft. brick veneer apartment, 670-74 N. Evergreen St.; comp. built-up roof, oak floors, stone trim, steam heat; City Construction Co., Contr., 1609 Eastmoreland St.; Polk W. Agee, Fidelity Bk. Bldg.

Tenn., Memphis—J. D. Scott, 308 Empire Bldg., erect $20,000, 2-story and basement, 38x60 ft. brick veneer apartment, 1544 Peabody Ave.; oak floors, tile baths, comp. and tile roof, steam heat; owner, Archt.-Bldr.

Tenn., Nashville—John Oman, Jr., Chamber of Commerce, has excavation contract for $1,000,000, 12 to 15 story, 91x174-ft. apartment hotel on Seventh Ave., to be erected by Pritchett-Thomas Co.; Marr & Holman, Archts., both Stahlman Bldg. 11-15

Tex., Aparr—Mike Wolf, Wink, Tex., soon start work on 25-room hotel.

Tex., Houston — Boyer Investment Co. started work on $79,500, 2-story, brick veneer, 24-apartment, Berthea and Yoakum Sts., for Mrs. Effie H. Pardue; Charles A. Dieman, Archt., 3901 Main Blvd. 1-17

Tex., Houston—B. F. Winborn, Post-Dispatch Bldg., soon start work on 10 apartment and duplex buildings on Saulnier St., Alden Place; $150,000.

Tex., Houston—H. M. Cohn has permit for brick veneer, 4-apartment, 202 Hutcheson St., for Mrs. Alonzo Matthews, 1603 Franklin St.

Tex., San Antonio—M. T. Tourant, care J. N. Vasquez, Contr., 201 Gunter Bldg., erect 2-story frame and stucco, 8-apartment, 316 W. Cypress St.

Va., Norfolk—Park Manor Corp., C. R. Carver, Pres., 1114 Westmoreland Ave., soon start work on $250,000, 3-story, stucco, 60-apartment, Granby St., between Pennsylvania, Delaware and Omohundro Aves., to be known as Park Manor; English architecture, electric refrigeration, fireproof stairways, vapor vacuum heat; Davis Brothers, Inc., Contrs., 1716 Summit Ave., Richmond; Bernard B. Spigel, Archt., 148 Granby St., Norfolk.

Miscellaneous

Ark., Pine Bluff—Atkinson & Jaggers have contract to erect $18,000 brick and stucco building, 9th and Main Sts., for restaurant.

Fla., Ocala—J. A. Atkinson let contract to S. R. Long, Tampa, for $10,000, 110x50-ft. convention hall, Sanchez and Franklin Sts.; frame with stucco over metal lath, auditorium to seat 1500 people, stage 25x30 ft.; F. T. Uezzell, Archt.; Edward Drake, Engr.

N. C., Asheville—S. & W. Cafeteria, Frank O. Sherrill, Charlotte, let contract to John M. Geary Co., 35 N. French Broad Ave., for $150,000, 3-story and basement, 75x100 ft., rein. conc., brick building, Patton Ave. and Harwood St.; built-up roof, tile and terrazzo floors, tile and marble trim, steam heat; excavation, Asheville Construction Co., 20 College St.; Douglas D. Ellington, Archt., Flat Iron Bldg. 1-3

Schools

Ala., University—Jones & Rast Paving Co., Birmingham, started grading of playing field at University of Alabama stadium site, 10th Ave. to be constructed by University Athletic Council, Dr. James J. Doster, Chmn.; concrete stands to seat 12,000 people; Atwood & Nash, Archts., Chapel Hill, N. C., in charge of construction; ready for bids about Feb. 15. 11-1

Ark., Pine Bluff—Bd. of Trustees, Agricultural, Mechanical and Normal School, J. W. Womack, Sec., let contract at $295,800 to J. H. Levek & Son, Glover Bldg., Little Rock, for administration building and dining hall, men's industries building and teacher training school; brick, semi-fireproof; Thompson, Sanders & Ginnochio, Archts., 219 Hill Bldg., Little Rock; wiring, Arkansas Electric Co.; plumbing, Shaw Gas & Plumbing Co.; heating, J. A. Wright, all Little Rock. 12-20

Md., Baltimore—Bd. of Public Instruction, Dr. David E. Weglein, Supt., let contract to R. N. McCulloh & Co., 538 N. Calvert St., for repairs to Polytechnic Institute; work started; has appropriation of $100,000 for repairs to schools and $100,000 for improvements, painting, plumbing, heating and electric work.

Miss., Tutwiler—School Bd., T. J. Lockard, Supt., let contract to J. H. Morton, Williston, Tenn., for $10,000 Rosenwald School.

Mo., Kansas City—Kansas City Art Institute, 4415 Warwick Blvd., let contract to Louis Brietag & Son, 903 Walnut St., for $75,000 U. S. Epperson Memorial Hall; 2 stories, stone; auditorium to seat 400 people; Wight & Wight, Archts., First Natl. Bank Bldg. 1-10

Tex., Austin—University of Texas, Dr. W. J. Battle, Chemn., construct $250,000 Southern Memorial Archway at main entrance; Walker & Morrison, Archts., Chicago.

Tex., Corpus Christi—Bonner Co. has contract at $19,800 for furnishing lavatories, the cafeteria and 3 science rooms at $250,000 Sr. High School; Daugherty-Nichols-Young Construction Co., Contr.; Hardy & Curran, Archts., both Nixon Bldg. 8-9

Tex., Harlandale, San Antonio — Bd. of Education, M. L. Rees, 410 Pacific Ave., let contract at $28,189 to King B. Key, 928 N. Flores St., for 1-story, brick and rein. conc., 11-classroom Morrell School; Morris & Noonan, Archts., Builders Exchange Bldg. 1-17

Tex., Kermit—Kermit Ind. School Dist., G. C. Dawson, let contract to C. S. Oates & Son, 2241 S. 8th St., Abilene, for 3-story, 122x58 ft., brick, tile, struc. steel, cast stone trim school; $113,000; David S. Castle Co., Archt., Alexander Bldg., Abilene. 1-10

Stores

Ark., Fort Smith—B. S. Sheinker, 619 N. Greenwood St., let contract to O'Neal & Drake for $15,000, 1-story, 140x90-ft. brick store, 23rd and B St.

D. C., Washington—Sears, Roebuck & Co., R. E. Wood, Pres., Chicago, let contract to Irwin & Leighton, Schaff Bldg., Philadelphia, for 3-story and basement, 150x150 ft., rein. conc. retail branch store, 15th and H Sts., N. E.; 90,000 sq. ft. floor space; Nimmons, Carr & Wright, Archts., 333 N. Michigan Ave.; Martin C. Schwab, Consit. Engr., 30 N. Michigan Ave., both Chicago. 1-17

Fla., Coral Gables, Br. Miami—Baltimore Acceptance Corp., Court Square Bldg., Baltimore, Md., remodel Colonade Bldg., Ponce de Leon Blvd., Coray Way, for store; $40,000; Rodney Miller, Hugo Apt., Coral Gables, probably Contr.

Fla., Tampa—Mrs. Ruby Knight let contract to J. T. Beasley, 1005 DeLeon St., for $12,000, 65x80-ft. brick store, Fortune and Ashley Sts.; Frank Dunham, Archt., 608 Tampa St.

Ga., Atlanta—Flynn Realty Co. let contract to Shelverton Construction Co., Bona Allen Bldg., for improvements to store, 10-12 Peachtree St.; plumbing, heating and electric wiring, shelving, wood partitions, wood floors, plate glass, copper fronts; J. M. Russell, Archt., Norris Bldg.

Ga., Atlanta—Miss Mary Evins Gilfillan, care J. P. Allen Co., 213 Peachtree St., N. E., let contract to Yost Construction Co., 1323 Candler Bldg., for 1-story and basement, 40x60-ft. brick store, 843 Peachtree St., N. E.; tar and gravel roof, tile and cement floors; DeFord Smith, Archt., 104 Peachtree Bldg. 1-3

Ga., Atlanta—Edwin C. Stewart Estate, 702 Atlanta Trust Co. Bldg., erect $10,000, 1-story and basement, 86x60-ft. brick store, 1095-1101 Ponce de Leon Ave., N. E.; owner builds.

Ga., Augusta—F. B. Carr, 1202-4 Broad St., repair building recently damaged by fire; $13,000; Sibert & Robinson, Contrs., 126 Eighth St.

La., New Orleans—Stevens, Inc., 710 Canal St., New Orleans, and Hart, Schaffner & Marx, 36 S. Franklin St., Chicago, let contract to Lionel F. Favret, Louisiana Bldg., for improvements to 4-story brick store; Emile Weil, Inc., Archt., Whitney Bk. Bldg. 12-13

Md., Newark—L. A. Conner erect 1-story, 28x60 ft., metal store building to replace burned structure; metal roof, double floor; plans by owner; contracts out. See Want Section—Building Material and Equipment.

Miss., Lake Cormorant—B. K. Allen let contract to O. E. Stone for store to replace structure burned at loss of $45,000.

Mo., St. Louis—N. Pelligreen, 816 Pine St., started work on $175,000, 4-story and basement, 45x211-ft. brick and rein. conc. store and office building, 6101-5 Easton Ave.; Pelligreen Construction Co., Contr., 816 Pine St.; heating, Kupferle Hicks Heating Co., 117 Washington Ave.; plumbing, McDonnell Contracting Co., Inc., 4469 Olive St.; electric work, Paul Wendt Electric Co., 4141 W. Florissant Ave. 11-8

Mo., St. Louis—Geo. J. Wanstrath, 717½ Chestnut St., remodel 3-story and basement, brick and terra cotta building, 715 Chestnut St.; $20,000; Hercules Contracting Co., Contr.; Otto J. Krieg, Archt., both Wainwright Bldg.

N. C., Winston-Salem—M. D. Stockton, 936 W. Fourth St., has permit for $17,400, 75x80 ft., 1-story and basement, brick store, Burke and Fayette Sts.; Kesler Construction Co., Contr., N. Trade St.

Okla., Oklahoma City—W. M. Munro, 130 E. Eighth St., erecting $16,500, 2-story, 50x50 ft., brick and conc. store and apartment, 813-15 W. Walnut St.; cement and oak floors, asphalt roof; F. W. Staas, Contr., 1633 Alice St. See Want Section — Building Material and Equipment. 1-17

Tenn., Knoxville—White Surgical Supply Co., Medical Bldg., broke ground for 1-story building, Church and Locust Sts.; 5000 sq. ft. floor space.

Tex., Coleman—J. S. Rogers erect 50x100-ft. brick building on Live Oak St.; contract let.

Tex., Corpus Christi — Knokernot-Nixon Properties, Inc., S. Maston Nixon, started work on 2-story and basement, 50x140-ft. brick and conc., terra cotta front building on Broadway to be leased to Montgomery Ward & Co., Chicago; Dougherty-Nichols & Young, Contrs.; Hardy & Curran, Archts., Nixon Bldg.

Tex., Dallas—Parke Investment Co. and J. M. Friedman, 4511 E. Grand St., started work on 250x80-ft. brick, stone, tile trim building, Second Ave. and Trunk Railroad; contain 10 stores, garage filling station; tile cornice roof; F. J. Woerner & Co., Archts., Central Bk. Bldg., supervise construction.

Tex., Dickinson—Ben Salvato started work on 1-story brick dry goods and shoe store; Joe Salvato, Contr.

Tex., Houston—E. B. Neblett let contract to J. B. Townsend, Post-Dispatch Bldg., for $18,980, 1-story, 55x146 ft. addition to building, Harrisburg and Velasco Sts., to be occupied by R. B. Everett & Co.

Tex., Houston—Pyramid Stone Co., National and Center Sts., has contract for furnishing cast stone for $600,000 building for Sears, Roebuck & Co., Chicago; B. W. Construction Co., Gen. Contr., 720 Cass St., Chicago; Nimmons, Carr & Wright, Archts., 333 N. Michigan Ave., Chicago. 11-22

Tex., Kingsville—H. M. McCormack started work on 26x410 ft., brick and stone mercantile building, Kleberg Ave. and 6th St. 10-18

Tex., New Braunfels—Harry Landa let contract at $42,853 to J. J. Wattinger, 608 Augusta Ave., Austin, for 2-story, 150x50-ft., brick, stone, struc. steel, terra cotta trim store to be leased to Montgomery Ward Co., Fort Worth; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin, and Brownsville. 1-10

Tex., San Benito—Joe G. Ballenger started work on $25,000, 100x90-ft. store to be leased to Aldridge-Hellcher Implement Co., Brownsville; W. W. Briggs & Co., Contrs., Pharr.

W. Va., Clarksburg—S. S. Kresge Co., Detroit, let contract to Lehigh Construction Co., 111 E. Fourth St., Cincinnati, and Newport, Ky., for brick, stone and steel store, 340-42 W. Main St. 8-23

Theaters

Ga., Rome—John R. Graham, Natl. City Bk., and associates let contract at $49,850 to Grahn Construction Co., Red Rock Bldg., Atlanta, for 2-story and basement, 164x66-ft., brick, stucco, cast stone trim theater; Barrett built-up roof, seating capacity 1500; to be leased to Lamb Amusement Co.; M. A. Tucker, Archt., 28 Standish Ave., Atlanta. See Want Section Building Material and Equipment. 1-10

Tex., Houston—Charles Wygant, 219 W. 26th St., started work on $14,000, 1-story, mezzanine and balcony, rein. conc., hollow tile and brick theater, 300 block W. 19th Heights; tar and gravel roof.

Warehouses

Ala., Birmingham — Harris Transfer and Warehouse Co., 8 S. 18th St., let contract to C. M. Allen & Son, Watts Bldg., for $100,000, 1-story, 150x400-ft. brick and rein. conc. warehouse, S. 12th St. and L. & N. R. R.

Tex., Houston — Norvell-Wilder Hardware Co., 1302 Nance St., started work on $60,000, 1-story, 150x200 ft., struct. steel and brick warehouse and office, Maury and Opelousas Sts.; conc. floors and foundation; Barrett roof, 30,000 sq. ft. floor space; Don Hall, Contr., Cotton Exchange Bldg.; F. W. Steinman & Son, Archts.-Engrs., 411 San Jacinto Life Bldg., Beaumont. 12-20

Tex., San Antonio—Hicks Rubber Co., Ross Hicks, 234 Broadway, let contract to E. B. Lovin, 1030 Delgado St., for 1-story, 75x95 ft., tile warehouse and store, Illinois and Great Northern R. R. and Commerce St.

Sales Engineering Representative.

Announcement is made of organization of the Ladd Equipment Company, Farmers Bank Building, Pittsburgh, Pa., to act as sales engineering representatives for a limited number of companies throughout the country. At present, it represents the C. W. Hunt Company, Inc., West New Brighton, N. Y., material handling equipment; Vacuum Ash and Soot Conveyor Company, Newark, N. J., and Sterling Blower Company, Hartford, Conn., exhausters and exhaust systems. George T. Ladd is president and treasurer and Robert E. Chew is vice-president and general manager.

Cliff Williams.

The passing of Cliff Williams, president of the Meridian Chamber of Commerce, removes from Mississippi development circles one of the State's able leaders and one of the South's foremost workers for economic and social advancement. Mr. Williams was a director in the Mississippi State Board of Development and a pioneer in the fight for better highways. Also, he worked toward development of the State's industrial interests and for conversion of Mississippi raw materials into finished products in Mississippi plants.

XUM

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies
Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials and Equipment
This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked
Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Machinery and Supplies

Potato Starch Manufacturing Equipment.—H. C. Dicks, 2424 Sherwood Ave., Myers Park, Charlotte, N. C.—Wants prices and data on machinery for manufacture of potato starch.

Sand Washing Machinery. — United Sand Co., Box 367, Roanoke, Va.—Wants prices and data on sand washing machinery.

Steam Engine.—Gray Bros. Excelsior Co., Woodford, Va.—Wants prices and data on steam engine, 90 to 100 h. p., prefers center crank.

Vegetable Dryer.—R. E. Thompson (Agt. for Agricultural Implements), Wilson, La.—Wants prices and data on used dryer (manufactured by Proctor & Schwartz, Philadelphia, Pa., or equivalent), for drying red peppers and other vegetables, belt conveyor cylinder type.

Wagon Platform Scales.—J. G. White, Grover, N. C.—Wants prices and data on new and second-hand wagon platform scales, 10-ton.

Carl Kindred, City Clerk, Clermont, Fla.—Wants prices and data on following:
(1) **Engine**—gasoline driven
(2) **Pump (Deep Well)**—minimum capacity of 500 gal. per minute.

Citrus By-Products Co., 321 S. Forest Ave., S. Jacksonville, Fla., leased building for manufacture citrus fruit jelly, citrus pectin, fountain syrup, etc., and wants:
(1) **Apple Peeling Machinery**
(2) **Cooperage**
(3) **Evaporattors and Dryers**
(4) **Filtering Mass and Earth**
(5) **Fruit Grinders**
(6) **Fruit Juice Pumps**
(7) **Fruit Juice Presses and Filters**
(8) **Jelly Filling Machinery**
(9) **Capping Machinery**
(10) **Labelling Machinery**
(11) **Jelly Glasses and Caps**
(12) **Bottles (Pint, Quart, Gallon and Five-Gallon)**
(13) **Lithograph Labels and Advertising Matter.**

Paramount Laboratories, Inc., P. O. Box 752, Memphis, Tenn.—Want prices and data on following:
(1) **Bolting Machine**
(2)**Fillers**—for powders, creams, etc.
(3) **Filtering Apparatus**
(4) **Kettles**
(5) **Mixer**—for creams, etc.
(6) **Powder Sifter and Mixer**
(7) **Tanks.**

West Virginia Veneer and Lumber Co. being organized at Moorefield, W. Va., for making veneer and handle all forest products, W. Washabaugh, Engr., Charlottesville, Va.—Wants prices and data on following:
(1) **Boiler**—150 h. p.
(2) **Derrick Fixtures**
(3) **Hoisting Engine.**

Snow Dry Cleaning Co., 110 Hordemon Ave., Macon, Ga.—Wants prices and data on following:
(1) **Hat Blocking Outfit**
(2) **Rug Cleaning Equipment.**

Miscellaneous.

Flexible Ornaments.—Florida Art Supply Co., N. E. Boyer, 208 S. Tennessee Ave., Lakeland, Fla.—Wants prices and data on "Flexco," flexible ornaments, used in art work.

Rail (Relay). — R. C. Perdue, Pocomoke City, Md.—Wants prices and data on 5 tons of 16 lb. relay rails.

Tobacco Cloth.—Knull Floral Supply Co., W. H. Knull, Pres. and Gen. Mgr., P. O. Box 2818, Tampa, Fla.—Wants quantity of used cloth.

Floyd Electric Co., S. Railroad Ave., Opelika, Ala.—Wants prices and data on following:
(1) **Cable**—1400 ft., No. 8, solid leaded steel taped parkway, for 2500 volt service
(2) **Pot Heads (Disconnecting)**—89, 2 poles for 2500 volt series circuit, for white way system
(3) **Standards (White Way)**—89, cast iron, similar to Westinghouse Electric Co.'s Arcadian.

Building Material and Equipment.

H. C. Vogt, Bldr., 2411 Binz Ave., Houston, Tex., wants prices on elect. refrigerators for dwellings.

West Virginia Veneer and Lumber Co., being organized at Moorefield, W. Va., with W. Washabaugh, Engr., Charlottesville, Va., and wants prices and data on steel building, used, good condition, 50x100 ft.

J. T. Ramsey & Sons, Selby, N. C.—Wants prices and data on following:
Terra Cotta Coping
Quarry Tile—red, broken

Earl L. Morrison, 100 Marietta St., Excelsior Springs, Mo., wants prices on following for residence:
Flooring—hardwood
Plaster Board
Roofing—asbestos shingle, asphalt shingle, built-up, slate, tile
Tile—gypsum, hollow, interior.
Terra Cotta Trim
Wire Glass.

Hoggson Bros., Archts.-Contrs., 485 Fifth Ave., New York City, wants prices on following for $200,000 alterations to bldg., Asheville, N. C., for bank and offices:
Elevators
Flooring—linoleum, terrazzo, tile
Limestone
Marble
Me tal Doors
Steel Sash and Trim
Tile—hollow
Vaults
Brass and Bronze Work.

Hoener, Baum & Froese, Archts., 3605 Laclede Ave., St. Louis, Mo., want prices on following for $40,000 church, Hickman Mills, Mo.:
Flooring—linoleum, textile
Limestone
Roofing—wood shingle
Steel Sash and Trim.

A. A. Dragoo, Hamilton Natl. Bk. Bldg., Chattanooga, Tenn., wants prices on following for $100,000, 3-story apartment:
Flooring—terrazzo, tile
Gypsum Partitions
Lintels for windows
Metal Trim and Brick for openings.

Jos. S. Shaw, Contr., Georgia Savings Bank Bldg., Atlanta, Ga., wants prices on following for $20,000 florist shop for C .A. Dahl Floral Co.:
Flooring—tile
Marble
Roofing—built-up, tile
Tile—hollow.

Favrot & Livaudais, Ltd., Archts., Hibernia Bldg., New Orleans, La., want prices on following for $35,000 addition, Charity Hospital:
Flooring—terrazzo, tile
Marble
Roofing—built-up
Sprinklers
Steel Sash and Trim
Tile—hollow.

L. A. Conner, Newark, Md., wants prices on following for store equipment to include meat case, 2 sets counter scales, cash register, safe, show cases and other store fixtures.

Wilkins & Philippi, Contrs., Amer. Tr. Bldg., St. Louis, want prices on following for Y. M. C. A. dormitory addition:
Flooring—terrazzo, tile
Limestone
Marble
Roofing (flat)—built-up
Tile—hollow.

F. W. Staas, Contr., 1633 Alice St., Oklahoma City, Okla., wants prices on following for $16,500 store and apartment for W. M. Munro:
Electric Refrigerators
Incinerator.

Voelcker & Dixon, Archts., Wichita Falls, Tex., want prices on following for $175,000 courthouse, Baird, Tex.:
Flooring—linoleum, terrazzo, tile
Marble
Metal Doors
Tile—hollow
Terra Cotta Trim.

O. C. Lam, Mgr., Lam Amusement Co., Lessee, Rome, Ga., wants prices on following for $85,000, 2-story theater, store and office to be erected by John Graham, Natl. City Bank, and associates:
Cast Stone
Flooring—tile
Marble
Sprinklers
Ventilators.

Bids Asked

Asphalt Heaters. — Ben M. Sawyer, Ch. Highway Commr., Columbia, S. C.—Bids Jan. 30 for furnishing coal or wood burning asphalt heaters from 100 to 120 fal. capacity, with hand spraying attachments and 2 types as regards wheels and bearings.

Bins.—H. L. McDonald, Orlando, Fla.—wants prices on steel storage bins.

Bridge.—St. Louis, Mo. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—Waco, Tex.—Bids for 6 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Maryland—Bids for 4 bridges. See Construction News—Bridges, Culverts, Viaducts.

Culverts.—Bay St. Louis, Miss.—Bids for 2 culverts. See Construction News—Roads, Streets, Paving.

Culverts.—State of Alabama—Bids for culverts. See Construction News—Bridges, Culverts, Viaducts.

Culverts.—State of Louisiana.—Bids for 4 culverts. See Construction News—Bridges, Culverts, Viaducts.

Dikes.—U. S. Engr. Office, Kansas City, Mo.—Bids Feb. 6 for constructing about 4,600 lin. ft. of standard pile clump dikes in Missouri River at Brunswick Bend, about 2 mi. from Brunswick, Mo.

Dikes.—U. S. Engr. Office, Kansas City, Mo.—Bids Feb. 8 for constructing 6400 lin. ft. of standard pile clump dikes in Missouri River at Bernheimer Reach, about 4 mi. from Berger, Mo.

Dikes.—U. S. Engr. Office, Kansas City, Mo.—Bids Feb. 12 for constructing about 12,400 lin. ft. of standard pile clump dikes in Missouri River at Miami Bend about 2 mi. from DeWitt, Mo.

Gravel.—State of Louisiana. See Construction News—Roads, Streets, Paving.

Gravel.—Louisiana Highway Comn., O. K. Allen, Chmn., Baton Rouge, La.—Bids Jan. 29 for washed and screened gravel, 40% sand-clay gravel, 50% sand-clay gravel, reef shell, clam shell, crushed limestone slag and sand for maintenance purposes during Feb., 1929.

Hardware.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Jan. 28 for furnishing hardware, delivery to Quantico, Va.

Hose. — Director of Purchase and Sales, Dept. of Agriculture, Washington, D. C.—Bids Feb. 19 for 18,000 ft. r. c. spray hose, 1-in. in 50-ft. lengths, without couplings.

Incinerator.—Bd. of Control of City of Fort Thomas, Ky.—Bids Jan. 25 for constructing incinerator together with appurtenances and appendages thereto.

Linoleum and Rubber Matting.—Marine

Corps, Q. M. Dept., Washington, D. C.—Bids Jan. 25 for linoleum and rubber matting, delivery Quantico, Va.

Lumber.—U. S. Engineer Office, Vicksburg, Miss.—Bids Jan. 29 for 9800 ft. lumber.

Plumbing Supplies.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Jan. 26 for furnishing plumbing supplies, delivery to Quantico, Va.

Road.—Carthage, Miss. See Construction News—Roads, Streets, Paving.

Road.—Phenix City, Ala. See Construction News—Roads, Streets, Paving.

Road. — Laredo, Tex. See Construction News—Roads, Streets, Paving.

Road.—Jackson, Miss. See Construction News—Roads, Streets, Paving.

Road.—Kosciusko, Miss. See Construction News—Roads, Streets, Paving.

Roads.—Ripley, Tenn.—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of Louisiana.—Bids for 2 roads. See Construction News — Roads, Streets, Paving.

Roads.—See Water Mains, Curbs, etc.

Roads. — Aberdeen Proving Grounds, Md. See Construction News—Roads, Streets, Paving.

Scales. — Bureau of Customs, Treasury Dept., Washington, D. C.—Bids Feb. 12 for 2 scales for Port of Galveston, Tex., and New Orleans, La., reconstruction of 8 scales; Port of Savannah, Ga., 3 automatic weighing and recording scales.

Scales.—Director of Purchase and Sales, Dept. of Agriculture, Washington, D. C.—Bids Feb. 1 for scales, pendulum type with chart and beam readings in lots of 6, 7, 8, 9, 10, f. o. b. factory.

Sewers.—Henry A. Mentz & Co., Engrs., Hammond, La., receive bids in Tallulah, La., for santiary sewer system at Tallulah, La.; work consists of 77,500 ft. of 6-in, 8-in., 10-in., 12-in., 15-in. and 18-in. sewer pipe; 103 standard manholes; 41 drop manholes, 65 standard lamp holes, 16 flush tanks, 2 pump pits and their superstructures, with machinery complete; 20,000 ft. of 8-in. and 10-in. pressure line; alternate proposals will be received on disposal works, consisting of Imhoff tank and exidation beds.

Sidewalks.—See Water Mains, Curbs, etc.

Steel Forgings.—U. S. Engr. Office, Huntington, W. Va.—Bids Jan. 28 for 395 lbs. ra.sing hooks, 370 lbs. tripping hooks, 140 lbs. shackles and 35 lbs. medium steel pins with cotters.

Street.—Bay St. Louis, Miss. See Construction News—Roads, Streets, Paving.

Street.—San Antonio, Tex. See Construction News—Roads, Streets, Paving.

Telephone and Radio Supplies. — Marine Corps, Q. M. Dept., Washington, D. C.—Bids Jan. 29 for furnishing telephone and radio supplies, delivery Quantico, Va.

Upholstery Supplies.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Jan. 29 for upholstery supplies, delivery Quantico, Va.

Water Mains, Curbs, etc.—T. J. Collins & Son, Landscape Archts., Staunton, Va.—Bids Jan. 29 for grading, roads, water mains, cement curbs, gutters and sidewalks for Blue Ridge Court development. Waynesboro Home Building Corp., Waynesboro, Va., owners.

Water Tank.—Commrs. Dist. of Columbia, Washington, D. C.—Bids Jan. 28 for furnishing and erecting elevated steel water tank at D. C. Reformatory, Lorton, Va.

Wire, Cocks, etc.—U. S. Engr. Office, Huntington, W. Va.—Bids Jan. 30 for 2,500 ft. of copper wire, 36 sets water gauge cocks, 36 sets belt dies, 60 grinding wheels and files.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Northern Equipment Representative.

Northern Equipment Company, Erie, Pa., has appointed Bradshaw & Company, Pittsburgh, Pa., to represent the Copes system of boiler feed control in the Pittsburgh district. Grant D. Bradshaw is president of this new firm, which is to specialize in power plant and steel mill equipment. Mr. Bradshaw was president of Andrews-Bradshaw Company until its consolidation with Blaw-Knox Company, resigning the first of this year to organize Bradshaw & Company.

Adds Airport Division.

Announcement is made that Black & Bigelow, Inc., air transport engineers, New York City, have created an airports division of their staff, made necessary by their handling the site selection and field design work for Aviation Country Clubs, a national organization, and other projects. The concern has been awarded the contract for all engineering and design work, including design of buildings and supervision of construction, for the Central Airport, Camden, N. J.

Cotton Mill Is Offered.

Of interest is the announcement that a cotton mill and adjuncts will be offered by public sale at Elberton, Ga., on February 5, information being obtainable from J. J. McLanahan, receiver, at Elberton. Included in the offering are a cotton mill building, machinery and village, the building being described in an advertisement elsewhere in this issue as of extra heavy brick construction, with about 32,500 feet of floor space. Thirty dwellings, 40 acres of land and water power plant are included in the items.

Air Service Timetable.

On the order of the familiar timetable, a daily air service schedule has been issued by Universal Air Line System, Chicago, showing service on the divisions between Minneapolis and Chicago, Chicago and Cleveland, Chicago and St. Louis and St. Louis and Kansas City. Air connections with Pittsburgh, Pa., and Albany, N. Y., and so on are shown, and rail connections with Boston, New York and other cities at Cleveland. Cabins are heated in winter and no unusual clothing need be worn, says the folder, while the American Air Transport Association, Chicago, tells of a firm that "has discovered 10 major uses of air transport to make money, to get into new markets, to defeat time and space and to speed up business generally."

Heads Westinghouse Electric.

As successor to the late Guy E. Tripp, Andrew Wells Robertson of Pittsburgh, Pa., has been elected chairman of the board of the Westinghouse Electric and Manufacturing Company. Mr. Robertson will retire as president of the Philadelphia Company of Pittsburgh and from other business activities and will devote himself to his new position, with headquarters in Pittsburgh. Henry B. Rust has been elected to the Westinghouse directorate.

Chicago Pump Representatives.

Among additions and changes made in its representation in several cities, the Chicago Pump Company, Chicago, Ill., mentions as new representatives the Ace Combustion & Engineer Company, Shreveport, La.; Harry Cooper Supply Company, St. Louis, Mo.; F. L. Bunker, Greensboro, N. C., and J. J. Smith, Baltimore.

New Street Address.

The Universal Vacuum Dry Kiln Co., Kansas City, Mo., dry kiln engineers and manufacturers, have moved to 3715-17 East 18th street, according to an announcement by C. L. Rice, president.

Cothran-Bayles Company.

Announcement is made of the formation of the Cothran-Bayles Company, sales engineers, Commercial Bank Building, Charlotte, N. C., by J. S. Cothran and A. L. Bayles, to cover conveying and power, transmission machinery, power plant and specialties. Estimates will be furnished.

"The Barefoot Philosopher."

At the request of friends, the Moore Dry Kiln Company, Jacksonville, Fla., and North Portland, Ore., has taken a Jim Alley "darkey" picture for its 1929 calendar, and presents "The Barefoot Philosopher." Established in 1879, the company observes its fiftieth anniversary.

Sales Engineer for Walworth.

R. J. Scanlan, formerly chief of the materials inspection and testing department of the T. E. Murray Company, Inc., New York, has joined the general sales department of the Walworth Company, Boston, Mass., as sales engineer, with headquarters in New York.

Hercules Motors Business.

The Hercules Motors Corporation, Canton, O., has declared a second dividend of $2.50 per share, making a total of $5 for 1928. The company reports its business increase as slightly in excess of 50 per cent over 1927. H. H. Timken is chairman of the board, E. A. Langenbach is president and Chas. Balough is vice-president and general manager.

Westinghouse Absorbs Nuttall Gear.

The Westinghouse Electric and Manufacturing Company has taken over the assets of the R. D. Nuttall Company and will continue the company as a branch of Westinghouse. The Nuttall plant will be known as the Nuttall Works and its products, including gears, speed reducers and kindred devices, will be called Westinghouse-Nuttall.

Five Pipe Line Orders.

Orders for five new major pipe lines totaling 174,500 tons of pipe are reported by the A. O. Smith Corporation, Milwaukee, Wis. Following are the new orders: Tulsa to Lockport, Ill., 636 miles, 70,000 tons; approximately one-quarter Roxana line, 100 miles, 8500 tons; Lea county, N. M., to El Paso, 205 miles, 23,000 tons; Baxter basin to Salt Lake City and Ogden, 287 miles, 33,000 tons, and a new gas line, requiring about 40,000 tons, details to be announced later.

Concern to Sell Water.

Steps toward the development of water supplies on a basis of a guaranteed supply at a definite cost have been taken by organization of the Fairbanks, Morse Water Supply Company, Chicago, Ill., an offshoot of Fairbanks, Morse & Co., which for years has furnished pumps for many large municipal and industrial plants. The Fairbanks, Morse Water Supply Company plan "is worked out so that the industrial organization is not required to invest any money in the pumping plant, but water is purchased at a fixed price for a period of years, at the end of which complete title to the plant passes to the industrial organization."

Enlarged Texrope Stock.

To meet the increasing demand for immediate shipment of transmission machinery, the Allis-Chalmers Manufacturing Company, Milwaukee, Wis., has enlarged its stock of Texrope drives up to 50 horsepower. In 1927, an announcement was made that Texrope drives from 2 horsepower up to 15 horsepower were being carried in stock, and this stock has been increased to include all the popular motor speeds and ratings up to 50 horsepower, with a large choice of driven speeds in a range of ratios from 1 to 1 up to 7 to 1. A catalog has been prepared to make selections easy.

Change in Old Concern.

Due to the death of E. J. Thomas, announcement is made that the Southeastern branch of D. D. Thomas & Son, with offices in Jacksonville, Fla., has been reorganized and will operate under the name of J. M. Raymond Construction Co. Mr. Raymond, who heads the new organization, has for several years been manager of the Southeastern branch of D. D. Thomas & Son. The management plans to continue the policies which have been characteristic of their operations in the past.

Where Railroads' Money Goes.

"Where freight rates and passenger fares go" is set forth in the 1929 calendar of the Committee on Public Relations of the Eastern Railroads, New York City, on data furnished by the Bureau of Railway Economics, Washington. It is shown that railroad income of the first five months goes to wages, June takes care of fuel, and July and August earn costs of materials and supplies. Showings for the other months are also given.

Dairying in the South.

In an address before the North Carolina Ice Cream Manufacturers, at Wilmington, George L. Smith of the publicity department, Southern Dairies, with headquarters at Washington, said that figures from the Bureau of Agricultural Economics show that in five years, while the nation was using 38 per cent more milk for manufactured dairy products, the South was increasing its manufacturing 108 per cent.

Subsidiary Has New Name.

The International Combustion Engineering Corporation, New York City, announces that its subsidiary, the F. J. Lewis Manufacturing Company, "producers of coal tar products since 1887," hereafter will be known as the International Combustion Tar and Chemical Corporation, with general offices in New York. Of its various plants, one is at Fairmont, W. Va., and another at Chattanooga, Tenn.

Electric Sign Advertising.

Under the name Mercury Rainbow Light, Inc., a corporation with general offices and factory at Louisville, Ky., has been formed through merger of Rainbow Light, Inc., Long Island City, N. Y., and the Mercury Electric Sign Company of Louisville. The concern will specialize in luminous tube advertising and will manufacture various types of electric sign advertising.

To Represent Sullivan Machinery.

Announcement is made that the Sullivan Machinery Company, Chicago, Ill., has appointed McCarthy, Jones & Allen, Inc., its distributor for portable and stationary air compressors at Nashville, Tenn. The Nashville concern also will handle Sullivan rock drills, concrete breakers, clay spaders and portable hoists.

Lincoln Electric Promotions.

The Lincoln Electric Company, Cleveland, Ohio, manufacturer of Stable-Arc welders and Linc-Weld motors, announces that J. E. Durstine has been advanced to district sales representative for the Southeast, with headquarters at Birmingham, Ala. Also, promotion places H. P. Egan as district sales representative for central Ohio, with headquarters at Columbus.

Improved Welding Gloves.

Oxweld Acetylene Co., New York City, has added to its line of accessories for oxy-acetylene welding and cutting gauntlet gloves of a soft and pliable suede leather, specially treated to prevent heat from affecting it, to supersede the Oxweld horsehide gloves formerly supplied. It is claimed these gloves will not stiffen or shrivel from the application of heat or from soaking in water.

Trade Literature

Refrigeration.—"Ice and Frost," edited by "Jack Frost" and published "every little while" by the Frick Company, Waynesboro, Pa., refrigeration engineers and manufacturers, contains comprehensive information on apparatus, with illustrations. The ice-making and refrigerating industry is one of the 10 largest in America. Freezing tanks, coils, cans, cranes and other devices are discussed. The concern has branch offices at Baltimore, Charlotte, N. C.; Atlanta, Birmingham, Memphis, Kansas City, Dallas and Oklahoma City, among other places.

Pumper.—Described as a compact, large capacity, portable pumping unit, the Penrol pumper is detailed in a pamphlet issued by the Pennsylvania Pump & Compressor Company, Easton, Pa., titled bulletin No. 213. The Penrol is designed for the practical work of unwatering excavations, cofferdams, trenches, subways, conduits, barges and scows within the range shown on an accompanying curve chart. Illustrations visualize the apparatus and the process.

Power.—As "a matter of importance to the textile industry," Ophuls & Hill, Inc., New York City, engineers and designers, have issued a pamphlet in which they say that they "can afford to build you a modern up-to-date power plant and operate it for six or seven years at your present cost and then make you a present of a modern plant, having paid for it out of the savings thus effected." Their address is 112 West Forty-second street.

Rock Asphalt.—Rock asphalt surfacing as "the solution of a modern highway problem" is discussed in a pamphlet issued by the Natural Rock Asphalt Corporation, Inc., Louisville, Ky., which says that one ton of natural rock asphalt will lay approximately 14 square yards of 1½-inch compacted surface, 17 square yards of 1¼-inch and 21 square yards of one-inch. The reading material is supplemented with illustrations.

Iron Work.—Utility and attractiveness are combined in a calendar for 1929 distributed by the Roanoke Iron and Bridge Works, Inc., Roanoke, Va., structural and ornamental iron work, steel fencing, grey iron castings, steel bridges, etc. Helpful information is given on each page, even to weather forecasts. G. W. Oakey is president and R. H. Angell is vice-president.

Spreader Tie.—The Fischer & Hayes Rope & Steel Company, Chicago, Ill., has issued a circular on the Nelson spreader tie, which says that it combines the functions of spreader and tie in wall form building, eliminating the use of spreaders, cutting to length, nailing in and fishing out and does away with all boring of forms, all cutting, placing and twisting of wire. A half-turn of the tie with a claw hammer cuts it off flush with the wall, the circular adds.

Car Cleaning.—Issued by the Wallace Engineering Corporation, New Orleans, a pamphlet describes a cleaning device for use in tank cars which is said to accomplish successfully in an hour or an hour and a half cleaning jobs which formerly required up to 36 hours. The Lurry tank car cleaner, as it is known, reduces car delays, is assured of safety and weighs only 25 pounds, needing no special equipment, says the pamphlet.

Chain.—Applications of Diamond roller chain in the lumber and woodworking industries are presented in a booklet, "Reducing Drive Costs in the Lumber and Woodworking Industries," issued by the Diamond Chain & Manufacturing Company, Indianapolis, Ind. A discussion of heat treatments and sprocket teeth is included. Illustrations show Diamond chain as both plant drive and standard equipment in woodworking machinery.

Partitions.—Of many uses for Wilson Sectionfold partitions, the J. G. Wilson Corporation, New York City, devotes a new pamphlet to the gymnasium, in which, it says, the Sectionfolds usually are three inches thick, made with a smooth surface and without projecting hardware on either one or both sides. Convenient shuttle doors can be provided, eliminating the necessity for operating the partitions themselves.

Book Review

How to Analyze Costs, by Coleman L. Maze and John G. Glover. New York: The Ronald Press Company. Cloth. Pp. 389. $5.

Written designedly to assist both accountants and executives in the solution of a problem of deep moment in industry, this book presents a detailed analysis of the major elements of manufacturing, selling and administrative costs and sets forth a procedure for determining the cause of variation from the figures of earlier periods or from predetermined estimates. First discussing standards and records as a basis for cost analysis, the book proceeds into types of cost systems and then discusses various phases of departmentalization. The classification of manufacturing costs and the diffusion of manufacturing expense form interesting chapters, and discussion of waste, including responsibility and prevention, will be found of value. The grouping of facts and analysis of the facts; interpretations and deductions and the verification of conclusions are discussed comprehensively under one general head. Especial attention is devoted to analyses of costs, including direct material, direct labor and power plant costs, tool costs and inspection costs, maintenance, material handling, idleness, factory administration and traffic department costs, sales and advertising expense, depreciation and numerous other points of consideration for the successful conduct of any business. The book will be found valuable and readable, for principals in business enterprises as well as employes.

Construction on Blue Bonnet Hotel.

Construction is progressing on the new Blue Bonnet Hotel in Fort Worth, Texas, which is being erected by interests identified with C. A. O'Keefe, of that city. The structure will be 20 stories with two tower floors, 100 by 100 feet, of brick, terra cotta and reinforced concrete. It will contain 300 rooms and is expected to be ready for occupancy in March. The cost exclusive of furnishings will be approximately $1,500,000. Mauran, Russell & Crowell, St. Louis, are the architects; Elmer G. Withers, Fort Worth, is associate architect; W. W. Huff, St. Louis, structural engineer, and the Bellows-Maclay Construction Co., Dallas, general contractor. The following sub-contracts were awarded:

Cement—Texas Portland Cement Co., and Trinity Portland Cement Co., both Fort Worth.
Electrical work—Eugene Ashe Electric Co., Fort Worth.
Face and common brick and hollow tile—Acme Brick Co., Fort Worth.
Lumber—Sloan Lumber Co., Fort Worth.
Marble—Carthage Marble Corp., Carthage, Mo.
Plumbing and heating—J. C. Korioth, Sherman, Texas.
Sand and gravel—Fort Worth Sand and Gravel Co.
Steel—North Texas Iron and Steel Co., Fort Worth.
Terra cotta—Northwestern Terra Cotta Co., Chicago.
Water supply—Morrison Supply Co., Fort Worth.

Sub-Contracts on $1,000,000 Veterans Hospital.

The following sub-contracts have been awarded in connection with the construction of the new U. S. Veterans Hospital at Camp Stafford, Alexandria, La., for which N. P. Severin Co., Chicago, was awarded general contract last summer, at $1,027,000:

Aggregates—Gifford-Hill & Co., Inc., Dallas, Tex.
Bricklayers' cements—Southern Cement Co., Birmingham, Ala.
Cast stone—Pyramid Stone Co., Houston, Tex.
Linoleum—Philadelphia branch of Certainteed Products Corp., New York.
Lumber—H. D. Foote Lumber Co., Alexandria.
Marble—Vermont Marble Co., Proctor, Vt.
Millwork—Victoria Lumber Co., Shreveport, La.
Ornamental iron—Decatur Iron and Steel Co., Decatur, Ala.
Razing buildings on site—Price Ray, Louisville, Ky.
Reinforcing steel—Chicago branch of Jones & Laughlin Steel Corp., Pittsburgh, Pa.
Rubber tile—Goodyear Tire and Rubber Co., Akron, Ohio.
Steel sash—David Lupton's Sons Co., Philadelphia, Pa.
Tile—Birmingham (Ala.) Hollow Tile Co., Acme Brick and Tile Co., Fort Worth, Tex., and Humboldt Brick and Tile Co., Humboldt, Kan.

The new hospital, which will accommodate 400 beds, is being erected by the United States Veterans Bureau, L. H. Tripp, chief of the construction division, Washington.

Virginia State Chamber of Commerce to Meet at Roanoke.

The annual meeting of the Virginia State Chamber of Commerce will be held February 7 at Roanoke. Reports of the officers, election of a percentage of the directorate, and determination of a program for the coming year, are among the regular features. Directors whose terms expire include Louis T. Dobie, Norfolk, representing the second Congressional District; G. Cleveland Wright, Petersburg, Fourth Congressional District; Junius P. Fishburn of the sixth District and president of the organization; C. Page Waller, Jr., Alexandria, Eighth District; C. S. Andersen, Hot Springs, Tenth District, and the following directors at large: Richard Crane, Westover; E. A. Hults, Saltville; H. B. McCormac, Winchester; Hollis Rinehart, Charlottesville; Thomas P. Thompson, Norfolk; Bradford H. Walker, Richmond, and Julien H. Hill, Richmond.

$5,799,000 Low Bid on Government Building.

A tabulation of bids by the Treasury Department, Washington, James A. Wetmore, acting supervising architect, for the construction of the proposed $10,000,000 building in that city, for the Bureau of Internal Revenue, indicates that James A. Baird & Co., Washington, submitted the lowest bid, at $5,799,000, with an alternate of $305,000 for marble columns instead of limestone. The structure will be 7 stories and basement, 450 by 400 feet. Trowbridge & Livingston, New York, are the architects and Edw. H. Bennett, Chicago, consulting architect. Contract for the foundation was awarded several months ago to the F. W. Mark Construction Co., Philadelphia, at more than $600,000.

Big Louisville Banks in Merger.

Louisville, Ky.—Directors of the National Bank of Kentucky, Louisville National Bank and the Louisville National Bank & Trust Co. approved plans for the merger of the three institutions and officers are now working out details. The combined resources of the banks are said to be in excess of $87,000,000.

New Orleans Banker in Federal Reserve Council.

James P. Butler, president of the Canal Bank and Trust Company, New Orleans, has been elected a member of the Federal Reserve advisory council, to represent the Atlanta district, at Washington. The Atlanta Reserve Bank serves Alabama, Florida, Georgia, Louisiana, Mississippi and Tennessee, and this is the first time a New Orleans banker has been elected to the advisory council.

Jacksonville May Buy Land for Manufacturing Sites.

Jacksonville, Fla., is considering a bill introduced by Councilman D. C. Randolph authorizing the purchase by the city of a tract of approximately 16 acres of land with a view to offering sites for prospective manufacturing plants. The tract traversed by the Seaboard Air Line has a river frontage of 940 feet on the bulkhead line and 1070 feet on the pier line, with 39 feet of water at the pier head.

Exports and Imports in 1928.

Merchandise exports aggregating $5,129,132,000 for the 12 months ending December 31, 1928, as compared with $4,865,375,000 for the previous year are reported by the Department of Commerce, the imports having been $4,089,930,000 for 1928, as against $4,184,742,000 for the calendar year 1927. The increase in exports for 1928 was about 5 per cent and the decrease in imports was about 2 per cent. For 1928, the excess of exports over imports was $1,039,202,000, this excess in 1927 having been $680,633,000.

Construction of 18-Mile Texas Rail Line.

Lane City, Tex.—The construction of the new rail line from a point near Lane City to Guy, a distance of approximately 18 miles, by the Atchison, Topeka and Santa Fe Railway Co., will be handled by F. Merritt, chief engineer of the Gulf, Colorado & Santa Fe Railway, Galveston, and it is probable that he will ask for construction bids soon, although the work will not be started before the late spring. Authority to construct this line was recently granted by the Interstate Commerce Commission.

Tulsa to Finance Local Industries.

Progress toward the organization of the Tulsa (Okla.) Industrial Finance Corporation, with capital of $1,000,000, is reported in a recent statement by Waite Phillips, described as the largest individual subscriber, a member of the present board of directors. The corporation, it is explained, will supply industries with long-term financing, a service which the banks are not able to offer under present Government restrictions, and Tulsa will be able to arrange financing similar to that employed by the large industries which have access to national money markets.

XUM

FINANCIAL NEWS

Bond Issues Proposed

Ala., Birmingham—City, C. E. Armstrong, Comptroller, receives bids about Mar. 15 for $2,000,000 bonds: $1,000,000, grade separation; $1,000,000, school. 1-17

Ala., Mobile—Paving—City Commrs., S. H. Hendrix, Clk., authorized issuance and sale of first $500,000 bonds to finance Twenty-sixth St. paving venture; Wright Smith, City Engr.

Ark., Helena—Municipal Hospital—City, D. T. Hargrave, Mayor, voted $150,000 bonds. 1-3.

Ark., Magnolia — Columbia County votes Feb. 2 on $55,000 bonds to repair courthouse and build jail.

Ark., Helena—City Hospital—City, D. T. Hargraves, Mayor, plans receiving bids in about 60 days for $150,000 bonds. 1-3

Fla., Gainesville — Road — Alachua County plans receiving bids soon for $250,000 6% Road Dist. No. 5 bonds.

Fla., Jacksonville—City, M. W. Bishop, Sec., will sell, Jan. 31, $125,000 bonds for city's share in Beaver St. viaduct, and $435,000 McCoy's Creek bonds.

Fla., Lakeland — Refunding — City Comn. authorized issuance of $129,000 bonds.

Fla., Ocala—Bd. of Public Instruction, Iva T. Sprinkle, Sec., receives bids Feb. 19 for $30,000 5½% Marion County Weirsdale Special Tax School Dist. No. 9 bonds.

Fla., Tampa—Hillsborough County Comn. authorized issuance of $26,000 refinancing bonds for Northeast Tampa special road and bridge district.

Ga., Augusta—Richmond County Bd. of Education considering bond issue.

Ga., Waycross — Hospital — Ware County votes Mar. 7 on $250,000 bonds.

La., Baton Rouge—State Bd. of Liquidation, H. B. Conner, State Treas., L. B. Baynard, State Auditor, receives bids Feb. 26 for first $10,000,000 bonds to pay highway obligations and for hard surfacing main line highways in state; bidders to name rate of interest.

La., Independence—Sewer—Town, Ivy N. Stafford, Clk., receives bids Feb. 6 for $50,000 6% Sewerage Dist. No. 1 bonds.

Md., Chestertown—Town considering $105,000 bond issue: $85,000, street; $20,000, sewage disposal plant.

Miss., Clarksdale—Mayor and Commrs. receive bids Feb. 5 for $280,000 5% bonds: $250,000, school; $30,000, Carnegie Public Library. 1-17

Miss., Collins—Jail—Covington County Bd. of Supvrs. will sell $10,000 bonds in Feb.

Miss., Pineville—J. E. Jones, Sec., Bd. of Education, plans selling $20,000 bonds.

Miss., Porterville — School — Dist. No. 2, Kemper County, voted $40,000 bonds.

Miss., Port Gibson—Claiborne County Bd. of Supvrs., W. L. Allen, Clk., receives bids Feb. 4 for $8000 Consolidated School Dist. No. 5 bonds.

Mo., Carthage — Hospital — City, Earl J. Tucker, Mayor, votes Feb. 6 on $75,000 bonds. 4-12-1928

N. C., Bessemer City — School — Bessemer City Graded School Dist., H. C. Frineberger, Chmn., voted $40,000 bonds. 12-20

N. C., Greensboro—Underpass—City, E. B. Jeffress, Mayor, authorized sale of $750,000 bonds; P. C. Painter, City Mgr.

N. C. Jackson — School — Northampton County Commrs. S. J. Calvert, Clk., receive bids Jan. 28 for $80,000 $1000 denom. not to exceed 5% bonds.

N. C., Shelby—Bridge—Cleveland County considering $20,000 bond issue.

Okla., Alva—Airport—City votes soon on $35,000 bonds.

Okla., Oklahoma City—Fair Park Building—City plans voting in April on $500,000 bonds.

S. C., Greenwood—Sewer—City, Robt. J. Cartledge, Jr., Clk., voted $50,000 bonds; receives bids Feb. 1 for bonds. 12-27

Tenn., Alton Park, Chattanooga — City votes Feb. 19 on $140,000 bonds: $50,000, street paving; $15,000, parks; $75,000, sidewalks.

Tenn., Crossville — Cumberland County Court voted $75,000 bonds for high school at Crossville; J. S. Cline, County School Supt.

Tenn., Jasper—School—Marion County votes Mar. 5 on $225,000 bonds. 1-10

Tenn., Knoxville—Poor Asylum—Finance Committee, Knox County Court plans receiving bids for $100,000 short term notes.

Tenn., Knoxville—Permanent Improvement—City, L. M. Emert, Dir. of Finance, receives bids Jan. 28 for $200,000, not to exceed 6% notes.

Tenn., Knoxville—Refunding—City, W. W. Mynatt, Dir. of Public Service, will sell, June 1, $800,000 bonds; receives bids Jan. 28 for $200,000 bonds.

Tenn., Maryville — Electric Light — City plans $200,000 bond issue.

Tex., Abilene—Airport—City votes Feb. 25 on $100,000 bonds.

Tex., Ballinger—City voted $187,500 bonds to enlarge water system, build city hall and fire station, and convert outstanding street paving warrants into bonds. 12-27

Tex., Beaumont—Bd. of Trustees, French Independent School Dist., A. B. C. Dean, Supt., may call election in 60 days on $35,000 bonds; probably sell bonds in April. 1-17

Tex., Bonham—Road, etc.—Fannin County considering $2,500,000 5% bond election: $1,250,000, road dist. bonds now in effect; $180,000, highway; $475,000, graveling roads; $27,000, right of way for roads; $32,500, engineering expenses.

Tex., Corpus Christi—Road—Nueces County, Nat Benton, Judge, considering bond issue.

Tex., Eagle Pass—Hydro-Electric Plant—Maverick County Water Improvement Dist. No. 1, votes Feb. 8 on $1,800,000 bonds.

Tex., Fort Stockton—Road—Pecos County Commrs. Court considering $350,000 bond election.

Tex., Galveston—Gas—City, Jack E. Pearce, Mayor, considering $500,000 bond issue.

Tex., Galveston—Bd. of School Trustees plans bond election in Feb.

Tex., Galveston—Galveston County Court, E .B. Holman, County Judge, plans selling $875,000 5½% bonds: $700,000, road; $100,000, courthouse; $75,000, intracoastal canal right of way. 12-13

Tex., Jasper—Road—Jasper County, Precinct No. 2, votes Feb. 19 on bonds.

Tex., Liberty—Road—Bridge—Liberty County votes Feb. 16 on $2,250,000 bonds. 1-17

Tex., La Feria—Canal—La Feria Water Control and Improvement Dist., Cameron County, probably vote soon on $1,600,000 improvement bonds.

Tex., Lubbock—Road—Lubbock County, reported, defeated $1,000,000 bond issue. Lately noted to vote Jan. 12. 1-3

Tex., Lufkin—Paving—City votes Feb. 12 on $100,000 bonds.

Tex., Marshall—Airport—City considering $35,000 bond election.

Tex., Portland—School—Town considering $15,000 bond election.

Tex., Rankin—Road—Upton County Commrs. Court plans $500,000 bond election.

Tex., Raymondville — Irrigation — Willacy County Water Control and Improvement Dist. No. 1, W. A. Harding, Pres., voted $7,500,000 bonds; plans selling bonds. 1-3

Tex., Van Horn—Road—Culberson County voted $75,000 5½% bonds. 1-10

Tex., Waco—Road—McLennan County, R. B. Stanford, County Judge, plans offering for sale, about Apr. 1, $1,160,000 4½% $1000 denom. bonds.

Va., Clarendon—Arlington County Court, Howard W. Smith, Judge, considering bond issue for installation of main trunk line sewer system. 9-13

Va., Luray—Town Council may call bond election in May for sewer, water and for $150,000 bonds for schools. 1-17

Va., Richmond—Paving—City, J. Fulmer Bright, Mayor, considering $500,000 bond issue.

W. Va., Parkersburg—School Bd., J. E. Echols, Pres., considering issuing $200,000 Parkersburg Independent School Dist. bonds.

Bond Issues Sold

Ala., Birmingham—Public Improvement—City Comn., C. E. Armstrong, City Comptroller, sold $250,000 4¾% public improvement bonds to Eldredge & Co., New York, premium $925. 1-3

Ark., Heber Springs—M. W. Elkins & Co., Little Rock, purchased $30,000 6% Heber Springs Special School Dist. bonds, 104.

Fla., Fort Myers—Street—City, Lester H. Baker, Clk., sold $50,000 6% $1000 denom. bonds to C. C. Pursley, Agt., V.-P., First National Bank, Fort Myers, 98.65 and accrued interest. 1-10

Ky., Hopkinsville—Funding—City Commrs. sold $45,000 5% coupon bonds to Caldwell & Co., Nashville, Tenn., $730 premium. 1-3

Md., Frostburg—Water Refunding—City, Peter Lammert, Clk., sold $30,000 5% bonds to Citizens National Bank, Frostburg. 12-13

Miss., Lake Cormorant — School — DeSoto County Bd. of Supvrs. sold $15,000 6% Lake Cormorant Consolidated School Dist. bonds to Union & Planters Bank, Memphis, Tenn.

Miss., Woodville—Gas—Town, Nyma McCraine, Clk., sold $22,500 5½% $500 and $1000 denom. bonds to Whitney Central Trust & Savings Bank, New Orleans, La., $420 premium. 12-27

Mo., Kansas City—City, Ben Jaudon, Dir. of Finance, sold $1,500,000 4½% bonds to Stern Brothers & Co., Kansas City, at $45,023 premium and accrued interest: $1,000,000, airport; $500,000, dock and wharf. 8-16

N. C., Asheville—City, J. E. Gibson, Sec.-Treas., sold $2,590,000 5% bonds to syndicate headed by Seasongood and Mayer, Cincinnati, Ohio, $2,648,571: $1,232,000, water; $890,000, improvement; $250,000, city hall; $175,000, city market; $43,000, sewer. 1-10

N. C., Gastonia—Water—City, W. L. Walters, Clk., sold $225,000 4¾% bonds to N. S. Hill & Co., Cincinnati, Ohio, $226,541. 1-10

Okla., Norman—Public Library—City sold $25,000 5% bonds to Sinking Fund at par.

S. C., Lancaster — Highway — Lancaster County Commrs., W. H. Draffin, Clk., sold $250,000 5% bonds to Stranahan, Harris & Oatis, Inc., Toledo, Ohio, $2000 premium. 1-3

Tenn., Jamestown—Road—Fentress County Court, H. W. Wright, County Judge, sold $75,000 5% $1,000 denom. bonds to Little, Wooten & Co., Jackson, Tenn., $2,300 premium, plus accrued interest. 1-3

Tenn., Nashville—State Funding Bd., reported, sold $1,500,000 5¼% notes, jointly, to First National Bank of New York and Salomon Brothers & Hutzler, New York City, $150 premium.

Tex., Austin—School—State Bd. of Education purchased $37,000 5% bonds of common school districts in Orange, San Jacinto and San Patricio Counties.

Tex., Benjamin—Water—City sold $50,000 6% bonds to Garrett & Co., Dallas, at par.

Tex., Bryan—School—City Comn. sold $90,000 5% bonds to Ryan, Sutherland & Co., Toledo, Ohio, $951 premium and accrued interest. 1-3

Tex., Jasper—Road—Jasper County sold bonds to Roger H. Evans & Co., Dallas, par, accrued interest and $1525 premium.

Tex., Stephenville—Caldwell & Co., Nashville, Tenn., purchased $45,000 Stephenville Independent School Dist. 5% $500 denom. bonds, at par, $551 premium, accrued interest, etc.

Building and Loan Associations

La., New Orleans—Delta Loan Co., Inc., capital $60,000, chartered; Wm. A. Nelson, Pres., 341 Carondelet St.

New Financial Corporations

Ala., Montgomery—Security Mortgage and Bond Co., capital $250,000, incorporated; Brame Hood, Pres., 2 Cramer Ave. 1-17

La., Shreveport—Hudson Investment Co., Inc., chartered; Edward R. Hudson, Sec., 613 Ardis Bldg.

Md., Baltimore—Founders Bond and Share Corp., Calvert Bldg., chartered; Frank C. Taylor.

Md., Baltimore—Industrial Corporation of America, Calvert Bldg., chartered; Roland L. Redmond; deal in securities.

Mo., Joplin—Starr Investment Co., chartered; J. W. Ratcliffe, 430 N. Pearl St.

Mo., Kansas City—Bickel Investment Co., authorized capital $50,000, chartered; A. Bickel, 1305 W. 50th St.

Mo., St. Louis—Vandeventer National Bank of St. Louis, capital $250,000, chartered; C. D. Lukens, Pres.; H. B. Givens, Cashier; conversion of Vandeventer Trust Co.

N. C., Asheville—Central Securities Co. of Asheville, Inc., authorized capital $3,500,000, organized by and affiliated with Central Bank and Trust Co., Wallace B. Davis, Pres.

N. C., Charlotte — Homestead Securities Corp., capital $100,000, chartered; John L. Morehead, 121 Ransom Place.

(Continued on page 80)

"Budget Control"

What it Does and How to Do it

Second Edition, Revised and Enlarged

Sixteen fundamental reasons for a real *Budget* in business, just how each part of the Budget should be prepared and then the principles of its effective operation—are clearly set forth in this little book.

Originally printed four years ago, twenty-five thousand copies of *"Budget Control"* have since been distributed. The favorable reception widely accorded it by business men, educators and the press, has led us to provide a second edition, enlarged and brought up to date. There are forty pages and six exhibits. *Mailed on request of nearest office.*

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BUFFALO	LOUISVILLE	KANSAS CITY	GRAND RAPIDS	LOS ANGELES
ROCHESTER	HUNTINGTON	OMAHA	KALAMAZOO	SEATTLE
		DENVER		

FINANCIAL NEWS

(Continued from page 78)

N. C., Hendersonville—Gem City Finance Co., authorized capital $123,000, incorporated; W. Kriman Love, George N. Noland, A. W. Wheeler.

N. C., Kenly—Planters Bank of Kenly, opened; Ernest G. Narron, Cashier; branch of Planters Bank of Wilson, N. C.

N. C., Kings Mountain—Morse Co., authorized capital $36,000, chartered; L. B. Morse, Mrs. Elizabeth P. Morse, Helen E. Richards, all Lake Lure; deal in stocks, bonds.

Okla., Capitol Hill, Oklahoma City—South Oklahoma National Bank, 2527 S. Robinson Ave., capital $100,000, chartered; Glen L. Dark, Pres.; J. C. Campbell, V.-P.; N. L. Dillow, Acting Cashier.

S. C., Darlington—Peoples Bank of Darlington, capital $50,000, chartered; E. B. Wulbern, Chmn. of Bd.; W. M. Haynesworth, Pres.; Samuel Want, Sec.-Treas.

S. C., St. Matthews—Southern Bank and Trust Co., Orangeburg, and others, contemplate organizing bank at St. Matthews, with $30,000 capital.

Tenn., Lebanon—American Bank & Trust Co., capital $100,000, chartered; J. H. Grissim, Pres.; Sam Hamilton, V.-P.; W. D. Ferrell, Cashier; acquired American Bank & Trust Co. of Watertown, Tenn.; both banks affiliated with Fourth and First National Bank, Nashville, and Nashville Bank & Trust Co.; Sam Hamilton will be in active charge of Watertown Bank.

Tex., Catarina—Catarina State Bank, capital $25,000, chartered; J. E. Jarrett, C. H. Keary, both San Antonio.

Tex., Edinburg—First National Bank, capital $50,000, organized; Henry Klossner, R. D. Mann, both Edinburg; Clinton Fraser, Cashier, McAllen.

Tex., Fort Worth—Frell Investment Co., capital $30,000, incorporated; O. C. Morrow, 4925 Lafayette St.

Tex., Port Arthur—Travis Holland, Plaza Hotel, preparing to organize banking institution.

Va., Bristol—Unaka Investment Co., Inc., capital $50,000, chartered; Ferdinand Powell, Pres., Johnson City, Tenn.

Citizens State Bank, E. S. Terral, Pres., McGehee, Ark., increased capital, $50,000 to $100,000.

Industrial Loan & Investment Co., D. A. Leman, Pres., Lagrange, Ga., plans increasing capital, $50,000 to $100,000.

Republic National Bank and Trust Co., Fred F. Florence, Pres., Houston, Tex., plans increasing capital, $3,000,000 to $3,500,000, and providing $500,000 to be placed in capital stock of Republic National Co.

Associated Investors, Houston, Tex., increased capital, $30,000 to $60,000.

Mercantile Trust Co., Geo. W. Wilson, Pres., and National Bank of Commerce, John G. Lonsdale, Pres., both St. Louis, Mo., plan merging with total resources of about $165,000,000.

First National Bank, Jno. R. Rison, Pres., Paris, Tenn., plans increasing capital, $50,000 to $100,000.

Continental Bond & Investment Co., First National Bank Bldg., Eugene Webb, Pres., Baltimore, Md., increased authorized capital, $4,000,000 to $16,000,000.

National Bank of Kentucky, Jas. B. Brown, Pres., capital $4,000,000, Louisville National Bank & Trust Co., R. Bean, Pres., capital $750,000, and Louisville Trust Co., John Stites, Pres., capital $1,000,000 all Louisville, Ky., merged with total resources over $87,000,000.

Greensboro Bank & Trust Co., J. W. Fry, Pres., Greensboro, N. C., plans increasing capital, $800,000 to $1,000,000, and surplus, $400,000 to $500,000.

Bankers Trust Co., F. W. Niemeyer, Pres., Little Rock, Ark., increased capital, $500,000 to $600,000.

Construction Finance Co., Louisville, Ky., plans increasing capital, $15,000 to $25,000.

Fidelity Finance & Loan Co., Paducah, Ky., plans increasing capital, $25,000 to $200,000.

Old Dominion Securities Corp., Melville C. Branch, Pres., Richmond, Va., considering increasing capital, $2,000,000 to $5,000,000.

Book Review.

Farm Products in Industry, by George M. Rommel. New York City: The Rae D. Henkle Co. Pp. 318. $3.50.

"The supply of food depends for its consumption on the somewhat inelastic demands of the human stomach. * * * The farmer who is in a position to dispose of some of his products in manufacturing industries is in a better economic position than the one who is dependent for his market entirely on the food demand." The two foregoing statements form the theme of the work.

In his introduction Mr. Rommel explains that his book "is based on a survey which the author made during the winter of 1927-28 for Hon. W. M. Jardine, Secretary of Agriculture, of research data in Washington and elsewhere which have a bearing on the industrial utilization of farm products. The plan under which the survey was conducted outlined:

"1. A survey of: (a) The present utilization of farm products in industrial processes. (b) The possible extension of industrial uses of products which already have a partial market for industrial purposes. (c) The possible development of the industrial outlet for farm products now used mostly or entirely for food or feed.

"2. To compile the important research data thus far obtained by various Government agencies on the problem, and, as far as practicable, of that done by other institutions in the United States.

"3. To indicate the organization and direction of co-ordinated research work which will point the way to further practical extensions of the consumption of farm products in the industrial field."

Since a large book could be written on the foods, such as cottonseed oil, that are factory by-products of processes that draw their raw materials from the farms, Mr. Rommel limits his discussion to those industrial processes which produce non-edibles from farm products. The resultant compilation includes the livestock industry, or such of its products as are not foods; cotton and the products derived from cotton seed; the forest situation; cellulose; wall board, paper and chemicals from corn stover; wastes from small grains; and rubber, oils and motor fuels.

Geographically, the book covers most of the United States, or those portions of it suited to agriculture or forestry. Of particular interest to the South are the chapters on cotton and cotton seed. This chapter discusses the non-edible products made from cotton seed, including lint and the various industries, rayon for example, for which it provides the raw material; the hulls, and the numerous chemicals extracted from them; and goes into the possibilities of using the stalks and leaves for the manufacture of paper and wall board.

One of the drawbacks to the use of the cotton stalks is the fact that they are not gathered in picking the cotton, and the cost of their collection would have to be charged wholly against the product derived from them. A waste product which, the author shows, has recently been collected in large quantities by the sledding of cotton is composed of the burrs, leaves and twigs collected by the sleds along with the cotton, and separated at the gins.

It has been estimated, he says, that 1,000,000 bales of lint cotton were harvested by sledding in Texas and Oklahoma in 1926. He then quotes figures which show that for every 500 pound bale of cotton sledded, from 500 to 800 pounds of this waste must be collected and disposed at the gins. A million bales, therefore, would yield 250,000 to 400,000 tons of the waste. It may be made to yield large quantities of furfural, alcohols and other solvents, he says, and should make a good raw material for wall boards. Mr. Rommel quotes a suggestion that cotton be harvested by a binder as grain is now harvested, in which case, he says, "there would certainly be a large amount of such material available."

Whether any use will ever be made of this waste, the author leaves to his readers to conjecture—or to chemists to determine.

While the foregoing is the most interesting chapter from the Southern viewpoint, another, or rather two others, of almost equal practical value to the same section are the chapters on corn and the utilization of cornstalks in the manufacture of products now being made largely in the South. The book is printed on paper made from cornstalks in Iowa; and we may expect cornstalk paper and wall board, or insulating board, from the great corn-growing states of the Middle West to come into active competition with similar products of the South.

Besides the immediate practical value of these chapters to Southern interests, the whole book is interesting and highly instructive, and Mr. Rommel's contention that the farmer who finds at least a part of his market among manufacturers of non-edibles has a much more elastic outlet in case of a bumper crop, is well supported.

Tractor Shovels.—Bulletin 28, issued by the Bay City Dredge Works, Bay City, Mich., illustrates the company's complete line of shovels, including the Bay City tractor shovel, the model R, ¾-yard, full revolving, and the new model K light, half-yard, full revolving. Model K is a new machine, exhibited and announced at the road show in Cleveland.

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CAPITAL, SURPLUS and UNDIVIDED PROFITS over $19,000,000

STATEMENT

At the Close of Business on December 31, 1928

ASSETS

Cash on hand, in Federal Reserve Bank, and due from Banks and Bankers	$ 15,045,355.69
Exchanges for Clearing House, and other Cash Items	79,888,867.80
United States Bonds and Certificates	8,371,542.10
Short Term Securities	3,251,011.96
Other Bonds and Stocks	13,626,393.68
Real Estate Mortgages	3,479,388.03
Demand Loans on Collateral	24,823,451.34
Time Loans on Collateral	10,528,035.06
Bills Receivable	22,198,380.05
Accrued Interest, etc.	717,016.64
Customers' Liability, Account of Acceptances	8,797,441.54
Banking Houses	7,468,821.72
Overdrafts	217,666.48
	$198,413.372.09

LIABILITIES

Capital	$ 6,000,000.00
Surplus and Undivided Profits	13,324,369.99
Dividend Payable January 2, 1929	390,000.00
Deposits	160,848,959.43
Annuity Fund	899,887.48
Interest due Depositors, Taxes, etc.	457,351.26
Acceptances	9,809,012.46
Acceptances and Foreign Bills Sold with our endorsement	2,383,791.47
Due to Federal Reserve Bank	4,300,000.00
	$198,413.372.09

BANK OF NEW YORK AND TRUST COMPANY — BANK OF NEW YORK — NEW YORK LIFE INSURANCE AND TRUST CO — 1784-1830

Bank of New York & Trust Company

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Uptown Office
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Whether your business is confined to a neighborhood or is active in world markets, your objective is to make larger profits. The only highway to that goal is increased volume and lower overhead costs.

The Southern Industrial Area combines fundamental economies in a manner that can materially influence your dividend rate.

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Special Deposits
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Capital $1,000,000 Surplus $1,700,000

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That is our aim. We are properly conservative, but we recognize the obligation resting upon all bankers to help meet deserving business requirements.

BALTIMORE COMMERCIAL BANK

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26 South Street, Baltimore, Md.

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XUM

Baltimore Organization Increases Authorized Capital Stock to $16,000,000.

At a recent meeting of stockholders of the Continental Bond Investment Co., Baltimore, the authorized capital stock was increased to $16,000,000 to enable the organization to make effective plans for the expansion of its business. The principal activity of the company consists in the purchase of first mortgages, which, after being guaranteed as to payment of principal and interest by the Maryland Casualty Co. are deposited with the Union Trust Company of Maryland, trustee, as security for the company's collateral trust bonds.

Central of Georgia to Issue $1,232,000 Bonds.

The Interstate Commerce Commission, Washington, announces that Division 4 has authorized the Central of Georgia Railway Co. to procure authentication and delivery of $1,232,000 of refunding and general mortgage 6 per cent bonds, series C, in reimbursement for capital expenditures.

Greensboro Offers $1,300,000 School Bonds.

The board of education of the Greater Greensboro School District, Greensboro, N. C., will receive bids February 1 for the purchase of $1,300,000 school bonds, a portion of an issue of $2,300,000 voted in May, 1926, and of which $1,000,000 have been sold. Proceeds will be used to cancel notes of $500,000 due February 13 and to continue the building and improvement program in the district. The bonds will bear a rate of interest not to exceed 6 per cent.

$500,000 Bond Election in Winchester, Va.

February 12 an election will be held on $500,000 bonds at Winchester, Va. The following items will be voted on separately; $125,000 to cancel debt and retire bonds; $125,000 to extend sewerage and for surface drainage; $150,000 for street improvements and $100,000 for school buildings.

$4,000,000 Northern Texas Utilities Bonds Sold.

An issue of $4,000,000 7 per cent sinking fund bonds of the Northern Texas Utilities Co., Wichita Falls, Tex., has been sold to A. M. Lamport & Co., Inc., New York, and Freeman, Smith & Camp Co., Portland, Oregon. Proceeds from the sale will be used to redeem the present outstanding funded indebtedness of the company and for other corporate purposes.

The City of Asheville sold $2,590,000 5 per cent interest bearing bonds to Seasongood & Mayer of Cincinnati, O., and associates at a premium of $58,571, covering water improvement, $1,232,000; miscellaneous improvements, $890,000; city hall, $250,000; city market, $175,000, and sewers, $43,000.

JOHN NUVEEN & CO.
First National Bank Building CHICAGO
We purchase SCHOOL, COUNTY and MUNICIPAL BONDS. Southern Municipal Bonds a Specialty.
Write us if you have bonds for sale.

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WE BUY
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Public officials are invited to avail themselves of our facilities for preparation of legal details.
Your inquiry receives prompt attention.
701-2 Dixie Terminal Bldg. CINCINNATI

We Buy and Sell
MUNICIPAL BONDS AND NOTES
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HAVE YOU BONDS FOR SALE?
WE BUY ALL CLASSES OF MUNICIPAL BONDS, INCLUDING CITY, COUNTY, SCHOOL, PAVING, ROAD AND DRAINAGE
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THE ROBINSON-HUMPHREY COMPANY
MUNICIPAL AND CORPORATION BONDS
Established 1894
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We Underwrite MUNICIPAL BONDS in States of GEORGIA and SOUTH CAROLINA

BONDS AND NOTES
We solicit your offerings
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Ingalls Bldg. Cincinnati, O.

We Buy Bonds
City, County, School and Road from Municipalities and Contractors
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Dynamite Deepens Harbor at Miami.

How approximately 2,000,000 pounds of dynamite were used in making the port of Miami accessible to ships of deeper draft is detailed by C. J. O'Neill in an article, "Submarine Blasting in the Miami Ship Channel," in the January issue of the Du Pont Magazine, Wilmington, Del. Submarine blasting, or underwater shooting, as practiced along the southeast coast of Florida, is said by Mr. O'Neill to be commonly known as "dobying," which means exploding charges of dynamite on the surface of a rock body, instead of in drill holes. Dredging of sections of the river from 200 to 500 feet in width and to a depth of 27 feet for a distance of five miles was involved. It is estimated that a single doby charge of five pounds of 60 per cent straight dynamite will blast, in ordinary coral rock, an area of four square yards of material to a depth of four feet.

First Trainload of Pickles.

Agricultural and industrial activities in the South were illustrated recently by the movement through Atlanta of a solid trainload of 21 cars of pickles, manufactured in Montgomery by the W. & W. Pickle Co. from cucumbers grown in southeastern Alabama. This is said to be the first trainload of pickles ever handled on American railroads. It was brought into Atlanta by the West Point route and delivered to the Southern Railway for movement East.

New Orleans Construction Totals $124,000,000 in 9 Years.

From 1920 to 1928 a total of 22,922 building permits was issued in New Orleans, La., representing a construction cost of $124,064,073, according to the Research Department of the New Orleans Association of Commerce. These figures do not include public structures for which permits were not needed. Among the buildings were 71 bank and office structures, 77 churches, 83 factories, 8 hospitals, 11 hotels, 44 picture theaters, 35 schools, 109 warehouses, 828 duplex residences and 12,054 dwellings.

$250,000 Bonds for School Improvements.

The Board of Education of Clarksdale, Miss., H. B. Heidelberg, superintendent of schools, plans to sell $250,000 5 per cent bonds on February 4, for the erection of a junior high school building, an addition to the Eliza Clark elementary school and a central heating plant. P. J. Krouse, of Meridian, Miss., is the architect.

Sub-Contracts on $2,000,000 Richmond Hotel.

Richmond, Va.—The Wise Granite & Construction Co., Inc., general contractor for the $2,000,000 John Marshall Hotel for the Richmond Hotels, Inc., has awarded the following sub-contracts:

Floor system—John T. McCoy, Inc., New York.
Limestone—Bloomington Limestone Co., Bloomington, Ind.
Ornamental iron—Richmond Structural Steel Co., Richmond.

The building will be 16 stories and basement, 155 by 165 feet, of steel frame construction, with brick, limestone and terra cotta exterior, built-up roof and gypsum partitions. It will contain 400 rooms and bath, with running ice water, and will afford space for seven shops. Other facilities will include a main dining room, cafeteria, mezzanine, roof garden, sample rooms and auditorium to seat 1200. The building will be equipped with three high speed passenger elevators, one service elevator, freight elevator and push button lift, and will have such conveniences as barber shop, hair dressing parlor, telegraph office and billiard rooms. Marcellus E. Wright, Richmond, is the architect. As previously announced, excavation contract was awarded to Hankins & Collins, Richmond, and structural steel contract to the Richmond Structural Steel Co.

PROPOSALS

BOND ISSUES BUILDINGS PAVING GOOD ROADS

Bids close February 26, 1929.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received by the U. S. Veterans' Bureau, Room 764, Arlington Building, Washington, D. C., until 11 A. M. February 26, 1929, and then publicly opened, for furnishing all labor and materials and performing all work for Construction of Buildings and Utilities, including roads, walks and drainage and demolition of four frame buildings at U. S. Veterans' Hospital, Oteen, North Carolina. General Construction work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and wall tile, iron work, steel sash, steel stairs with slate treads, slate, metal and built-up roofing, metal lathing, plastering, stuccoing, carpentry, handpower freight elevator, platform scales, metal weather strips, insect screens, window shades, painting, glazing, hardware. SEPARATE BIDS will be received for General Construction, Plumbing, Heating, Electrical Work, Electrical Elevators and Refrigerating and Ice Making Equipment, all as set forth on bid form. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 764, Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for $50.00, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of the drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. January 22, 1929.

GENERAL INFORMATION

About Proposal Adyertising in Manufacturers Record

PUBLICATION DAY: Thursday.

FORMS CLOSE: 10 A. M. Tuesday.

When too late to send copy by regular mail to reach us by 10 A. M. Tuesday, forward by night letter or air mail when possible.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened or when daily insertions are necessary to meet legal requirements.

The rate is the same for both publications—35 cents a line each insertion.

Bids close January 31, 1929.

DEPARTMENT OF THE INTERIOR, Washington, D. C., January 11, 1929. Sealed proposals (in duplicate) will be received at the Department until 2 o'clock P. M. Thursday, January 31, 1929, for furnishing all labor and materials and performing all work in the construction and completion of Home for Nurses, Boiler House, Employees' Quarters and Dining Hall, including all outlets thereto, roads, sidewalks, grading, water, sewer, electric lines, etc. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Secretary, drawings and specifications may be obtained upon application to the Department. A certified check in the sum of $100 will be required as a guaranty for the safe return of the plans loaned. The right is reserved to reject any or all bids, waive technical defects, accept one part and reject the other as the interest of the Government may require. Proposals must be securely enveloped, marked "Proposals for construction of Home for Nurses, etc., Freedmen's Hospital," and addressed to Secretary of the Interior, Washington, D. C. E. C. Finney, First Assistant Secretary.

XUM

Bids close January 29, 1929.

Bridges

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS
Baltimore, Md.

SEALED PROPOSALS for building bridges as follows:

Charles County, Cont. Ch-57—Double 16-foot span reinforced concrete slab bridge on road from La Plata to Riverside at Grayton over Hancock Run.

Charles County, Cont. Ch-58—Single 60-foot span reinforced concrete arch bridge on road from La Plata to Riverside at Hilltop over Wards Run.

St. Mary's County, Cont. Sm-46—Single 24-foot span reinforced concrete arch bridge on road from Chaptico to Maddox, 1½ miles south of Chaptico.

St. Mary's County, Cont. Sm-47—Single 30-foot span reinforced concrete arch bridge on the road from Morganza to Clements, 1½ miles south of Morganza over Locust Run.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of January, 1929, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of January, 1929.

G. CLINTON UHL, Chairman.
L. H. STEUART, Secretary.

Bids close February 9, 1929.

U. S. Engineer Office, Wilmington, N. C.—Sealed bids, in duplicate, will be received until 12 o'clock noon, February 9, 1929, and then publicly opened for furnishing all labor and materials and performing all work for dredging approximately 11,692,000 cubic yards, in Sections I and II of the Intracoastal Waterway from Beaufort to Cape Feat River, N. C. Information upon application.

Bids close February 15, 1929.

WAR DEPARTMENT, United States Engineer Office, Montgomery, Ala., Jan. 7, 1929. SEALED BIDS, in duplicate, will be received until 2 P. M. February 15, 1929, and then publicly opened for furnishing all labor and materials and performing all work for building houses, transferring and installing all machinery, piping, gallows frame, A frame, spud frames and spuds, for one 15-inch pipe-line dredge. Further information on application.

Bids close January 31, 1929.

High School

Montgomery, Ala.

Sealed proposals will be received up to 10 o'clock A. M. January 31, 1929, at the office of the COUNTY BOARD OF EDUCATION of Montgomery County, Montgomery, Alabama, for the erection and completion of a two-story fireproof JUNIOR HIGH SCHOOL BUILDING, including portion of same with basement, according to plans, specifications and details prepared by FREDERICK AUSFELD, Architect, Suite 404 Shepherd Building, Montgomery, Alabama. The building has a frontage of approximately 254 feet.

To insure consideration, each bid must be accompanied by a certified check signed by an authorized official of a National Bank or of a State Bank in the amount of 3% of the amount of bid, and made payable to L. C. CARDINAL, President of the County Board of Education of Montgomery County, Montgomery, Alabama, as a guarantee of good faith in that the Contractor will enter into a contract and make bond as called for in the specifications.

Plans, specifications and details will be ready for contractors on or before the 15th day of January, 1929, and will be issued only to and proposals considered from Contractors who submit evidence to the County Board of Education of their satisfactory financial ability and experience in the execution of contracts of similar character.

At the discretion of the President of the County Board of Education, plans, specifications and details may be obtained from the Architect by a deposit of a certified check in the amount of FIFTY DOLLARS ($50), this amount to be returned to those who submit bona fide bids, hold receipt of the return of the plans and specifications and have returned same in good condition.

Sub-contractors and material dealers may obtain plans, specifications and details by the payment of the actual cost of same, which will not exceed THIRTY DOLLARS ($30), which amount will not be returned.

All plans and specifications must be returned to the Architect on or before the date of the opening of bids.

Plans and specifications may be examined free at the office of the Architect.

The County Board of Education of Montgomery County, Montgomery, Alabama, reserves the right to reject any and all bids.

Prison Labor

Frankfort, Ky.

The Commonwealth of Kentucky will have for hire, effective March 26, 1929, the labor of approximately five hundred prisoners confined in the Kentucky State Reformatory at Frankfort, Ky., to be employed within the walls of said Reformatory in space furnished by the State. Existing contracts prohibit the employment of said prisoners in the manufacture of shoes and brooms, or packing boxes therefor, or shirts. Persons interested in contracting for such labor should communicate at once with the Kentucky State Board of Charities and Corrections, State Capitol, Frankfort, Ky.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

I HAVE FOR SALE the finest asphalt property in Kentucky. Also timber tracts, some containing oak suitable for staves.
E. D. WATKINS,
Irvine, Ky.

ASBESTOS FOR SALE

FOR SALE—193 acres in Franklin County, Va., containing large deposit of high-grade Amphibole Asbestos. Two reports of accredited Geologist and Mining Engineers. State Chemist report. Location, eight miles from railroad on sand-clay roadway under construction. Suggested uses are wall plaster, boiler and pipe coverings, fireproof paint, furnace linings, fireproof safe linings, fire bricks, asbestos shingles, etc., etc. Samples upon request. Terms of sale, part cash and small royalty. One of the best industrial opportunities in this section. Inspection invited.
W. H. PRICE, Owner,
1228 Penmar Ave., S. E., Roanoke, Va.

TIMBERS FOR SALE

FOR SALE—1000 BAND SAWED OAK TIMBERS ON SIDING WHITE SULPHUR, W. VA. 500 pieces 6"x8"x8' and 500 pieces 7"x9"x8'6", grading ones, twos, threes and fives. Price sixty cents each. Also car 4/4 Chestnut. P. O. Box 93, Point Pleasant, Pa.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

A BARGAIN for development—940 acres drained muck and truck land within 20 minutes of Tampa on county paved road on State Highway; $60.00 per acre. Terms.
B. M. SULLIVAN,
Box 598, Tampa, Fla.

Rates, Terms and Conditions

RATES: *30 cents a line each insertion. Minimum space accepted, four lines. In estimating the cost allow six or seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made.*

Rates for Special Contract:
100 lines 28c a line
300 lines 26c a line
500 lines or more 25c a line

TERMS: *For transient advertising cash with order; check, postoffice or express money order or stamps accepted.*
On special contract advertising, bills are rendered monthly covering space used each month, payable within ten days.

CONDITIONS: *No patent medicine, oil or mining stock advertisements or questionable or undesirable advertisements will be accepted. The assistance of our readers in excluding undesirable advertisements is requested. No display type used.*

FARM, FRUIT AND TRUCK LANDS

FLORIDA

MUST SELL all or part of my old bearing paper shell pecan orchard. Middle Florida, on a large lake; good roads; hunting and fishing fine. Living conditions unsurpassed. Would sell part at less than half of the income value. T. S. McManus, Waldo, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

LAKE COUNTY—Weekly income the year round from this Asparagus Plumosus fernery and 11-acre bearing grove. Price $15,000. P. B. RUGGLES, Groveland, Fla.

"TWENTY ACRES AND PLENTY"
FREE book tells truth about Florida land; monthly payments $1.50 an acre; no interest; no taxes; sick benefit features.
SYLVESTER E. WILSON,
Department X,
Orlando, Fla.

GEORGIA

LANDS in the Georgia Coast Country, recently visited by the President of the United States, offer many opportunities since the completion of the Coastal Highway, the only hard surfaced road between the East and Florida.

2200 acres Old Plantation, near Savannah, with two miles frontage on highway, large area cleared, with excellent soil. Smaller tracts of 10 to 100 acres. Game Preserves, abounding in Quail, Duck, Turkey, Deer, etc., 5000 to 20,000 acres.

Priced right and terms reasonable.
STILLWELL REALTY COMPANY,
Savannah, Ga.

FARM EXCHANGE

200 ACRES of Wisconsin land for Mississippi, Arkansas or Louisiana land or gulf coast property. 277¼ acres of Texas land for Mississippi, Arkansas or Louisiana land or gulf coast property. Address 1604 26th Ave., Room 5, Gulfport, Miss.